Safety Data Sheet

Issuing Date 18-May-2015 Revision Date 18-May-2015 Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code DM462

Product name TEDDY BEAR BROWN # 462

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance Brown Physical State Powder Odor No information available

precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

Chemical Name	CAS-No	Weight %	Trade secret
NEUTRAL BROWN MBL	84989-26-4	70-80	*

4. First aid measures

First aid measures for different exposure routes

.er. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. **Eye Contact**

Consult a physician.

Skin Contact Wash skin with soap and water.

INHALATION Move to fresh air.

Clean mouth with water and drink afterwards plenty of water. **INGESTION**

Most important symptoms/effects, acute and delayed

No information available. **Main Symptoms**

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition

source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. **Environmental Precautions**

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. **Methods for containment**

Methods for Cleaning Up Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for Safe Handling

Advice on safe handling

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
NEUTRAL BROWN MBL	-	TWA: 0.5 mg/m ³ Cr	IDLH: 15 mg/m ³ Cr(VI) IDLH: 25
84989-26-4		(vacated) TWA: 0.5 mg/m ³ Cr	mg/m³ Cr(III)
		(vacated) Ceiling: 0.1 mg/m ³	TWA: 0.0002 mg/m ³ Cr TWA: 0.5
		Ceiling: 0.1 mg/m³ CrO3 applies	mg/m³ Cr
		to any operations or sectors for	
		which the Hexavalent Chromium	
		standard [29 CFR 1910.1026] is	
		stayed or is otherwise not in	
	19	effect	

NIOSH IDLH Immediately Dangerous to Life or Health

Exposure guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

Exposure Controls

Engineering Measures

Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face ProtectionTightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the

substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State Powder Brown

appearance Odor No information available

odor threshold No information available

Property **VALUES** Remarks • Method

No information available Hq

melting point N/A No information available

Boiling point/boiling range No information available **Flash Point**

no data available **Evaporation Rate**

no data available flammability (solid, gas) no data available Flammability Limits in Air

Upper Flammability Limit No information available No information available **Lower Flammability Limit** No information available vapor pressure **Vapor Density** No information available Specific gravity No information available

Solubility in Other Solvents No information available

Partition coefficient: n-octanol/waterNo information available

No Data Available **Autoignition Temperature** decomposition temperature No information available Kinematic viscosity No Data Available No information available **Dynamic viscosity Explosive Properties** No information available

No information available **Oxidizing properties**

OTHER INFORMATION

No information available softening point Molecular Weight

VOC Content(%) No information available. density No information available

10. Stability and Reactivity

Reactivity

no data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

Hazardous decomposition products

May emit toxic fumes under fire conditions.

SINCE 1969

11. Toxicological Information

Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

INHALATION Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

INGESTION Not an expected route of exposure. Do NOT taste or swallow.

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitizationNo information available.Germ cell mutagenicityNo information available.

carcinogenicity

Chemical Name	ACGIH	IARC	NTP	OSHA
NEUTRAL BROWN MBL		Group 3	. 12	
84989-26-4				

IARC: (International Agency for Research on Cancer) Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive Toxicity
Specific target organ systemic
No information available.
No information available.

Specific target organ systemic toxicity (single exposure)

Specific target organ systemic

toxicity (repeated exposure)

Chronic toxicity May cause adverse liver effects.

Target organ effects Blood, EYES, Kidney, Liver, Lungs, Respiratory System, skin.

No information available.

Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
NEUTRAL BROWN MBL	Toxic
84989-26-4	Corrosive
	Ignitable

REGULATED REGULATED REGULATED

DOT

Description NOT REGULATED

MEX

<u>IATA</u>

Description NOT REGULATED

IMDG

Description NOT REGULATED

<u>RID</u>

ADN

15. Regulatory Information

International Inventories

TSCA Listed
EINECS/ELINCS Listed
DSL Listed

NDSL Not Determined

PICCS Listed

ENCS Not Determined

IECSC Listed
AICS Listed

KECL Not Determined Not Determined Not Determined

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %
NEUTRAL BROWN MBL	1.0

SARA 311/312 Hazard Categories

NO.
NO.
NO.
NO.
NO.

Clean Water Act

 Chemical Name
 CWA - Reportable Quantities
 CWA - Toxic Pollutants
 CWA - Priority Pollutants
 CWA - Hazardous Substances

 NEUTRAL BROWN MBL
 X
 X

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
NEUTRAL BROWN MBL		X	X	X	

International regulations

CANADA

WHMIS Note

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS Health Hazard 1 flammability 1 Physical hazard 0 PERSONAL PROTECTION F

16. Other Information

Revision Date 18-May-2015

Revision note No information available.

Restrictions on useNo information available.

Contact Information Website WWW.DHARMATRADING.COM

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

Safety Data Sheet

Version 2 Issuing Date 11-May-2015 Revision Date 11-May-2015

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code DM463 **DUCKLING Product name**

Recommended use of the chemical and restrictions on use

Synonyms

Supplier's details

Industrial Use Only. Recommended use No information available Uses advised against

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

USA: 1-800-255-3924 China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

CHING BLANKS SINCE, 1969 2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance No information available Physical State Powder Odor No information available

precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

DM463 / DUCKLING Revision Date 11-May-2015

4. First aid measures

First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin Contact Wash skin with soap and water.

INHALATION Move to fresh air.

A SINCE 1969 **INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition Sensitivity to Static Discharge

source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Methods for containment

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize **Methods for Cleaning Up**

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage

DM463 / DUCKLING Revision Date 11-May-2015

Precautions for Safe Handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

Exposure Controls

Engineering Measures Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be

provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State Powder

appearance No information available Odor No information available

odor threshold No information available

Property VALUES Remarks • Method

pH No information available

DM463 / DUCKLING Revision Date 11-May-2015

no data available

N/A

N/A

N/A melting point

Boiling point/boiling range No information available No information available Flash Point

Evaporation Rate no data available no data available

flammability (solid, gas)

Flammability Limits in Air **Upper Flammability Limit** No information available **Lower Flammability Limit** No information available vapor pressure No information available

Vapor Density No information available No information available Specific gravity

Solubility in Other Solvents No information available Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature No Data Available No information available decomposition temperature Kinematic viscosity No Data Available **Dynamic viscosity** No information available

Explosive Properties No information available No information available **Oxidizing properties**

OTHER INFORMATION

softening point Molecular Weight

VOC Content(%) No information available. density No information available

CO BLANKS SINCE 1969 10. Stability and Reactivity

No information available

Reactivity

no data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

Hazardous decomposition products

May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

INHALATION Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Not an expected route of exposure. Do NOT taste or swallow. **INGESTION**

DM463 / DUCKLING Revision Date 11-May-2015

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization

Germ cell mutagenicity
carcinogenicity

Reproductive Toxicity
Specific target organ systemic

toxicity (cingle exposure)

No information available.
No information available.
No information available.

toxicity (single exposure)
Specific target organ systemic
toxicity (repeated exposure)

No information available.

Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

C.E. 1969

federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Description NOT REGULATED

MEX

IATA

Description NOT REGULATED

IMDG

Revision Date 11-May-2015 DM463 / DUCKLING

Description **NOT REGULATED**

RID

<u>ADN</u>

15. Regulatory Information

International Inventories

Listed
Listed

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

SLANIKS SINCE 1969 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with **REACH** registration number

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

DM463 / DUCKLING Revision Date 11-May-2015

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note

ANKS SINCE 1969 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS Health Hazard 1 flammability Physical hazard 0 **PERSONAL** PROTECTION F

16. Other Information

11-May-2015 **Revision Date**

No information available. **Revision note**

Restrictions on use No information available.

WWW.DHARMATRADING.COM **Contact Information Website**

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

Safety Data Sheet

Issuing Date 18-May-2015 Revision Date 18-May-2015 Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code DM464
Product name HYACINTH

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance bluish powder Physical State Powder Odor No information available

precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

DM464 / HYACINTH Revision Date 18-May-2015

4. First aid measures

First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin Contact Wash skin with soap and water.

INHALATION Move to fresh air.

A SINCE 1969 **INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition Sensitivity to Static Discharge

source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Methods for containment

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize **Methods for Cleaning Up**

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage

DM464 / HYACINTH Revision Date 18-May-2015

Precautions for Safe Handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

Exposure Controls

Engineering Measures Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be

provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State Powder

appearance bluish powder Odor No information available

odor threshold No information available

Property VALUES Remarks • Method

pH No information available

DM464 / HYACINTH Revision Date 18-May-2015

N/A

N/A

N/A melting point

Boiling point/boiling range No information available No information available Flash Point

Evaporation Rate no data available

flammability (solid, gas) no data available no data available

Flammability Limits in Air

Upper Flammability Limit No information available Lower Flammability Limit No information available vapor pressure No information available **Vapor Density** No information available No information available Specific gravity

Solubility in Other Solvents No information available Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature No Data Available No information available decomposition temperature Kinematic viscosity No Data Available **Dynamic viscosity** No information available **Explosive Properties** No information available No information available **Oxidizing properties**

OTHER INFORMATION

No information available softening point

Molecular Weight

VOC Content(%) No information available. density No information available

CO BLANKS SINCE 1969 10. Stability and Reactivity

Reactivity

no data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

Hazardous decomposition products

May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

INHALATION Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Not an expected route of exposure. Do NOT taste or swallow. **INGESTION**

DM464 / HYACINTH Revision Date 18-May-2015

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization

Germ cell mutagenicity
carcinogenicity
Reproductive Toxicity
Specific target organ systemic
toxicity (single exposure)

No information available.
No information available.
No information available.

Specific target organ systemic toxicity (repeated exposure)

Aspiration Hazard

No information available.

No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

C.E. 1969

federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Description NOT REGULATED

MEX

<u>IATA</u>

Description NOT REGULATED

IMDG

DM464 / HYACINTH Revision Date 18-May-2015

Description NOT REGULATED

RID

<u>ADN</u>

15. Regulatory Information

International Inventories

TSCA Listed **EINECS/ELINCS** Not Determined DSL Not Determined **NDSL** Not Determined **PICCS** Not Determined **ENCS** Not Determined **IECSC** Not Determined Not Determined **AICS KECL** Not Determined **NZIoC** Not Determined

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration numberKeystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

CO 1969

LANKS SINCE 1969

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

DM464 / HYACINTH Revision Date 18-May-2015

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note

ANKS SINCE 1969 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS Health Hazard 1 flammability Physical hazard 0 **PERSONAL** PROTECTION F

16. Other Information

18-May-2015 **Revision Date**

No information available. **Revision note**

Restrictions on use No information available.

WWW.DHARMATRADING.COM **Contact Information Website**

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

Safety Data Sheet

Issuing Date 11-May-2015 Revision Date 11-May-2015 Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code DM465 Product name LICHEN

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

USA: 1-800-255-3924 China: (400-1)-400-120-075

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

Odor No information available

appearance No information available Physical State Powder

precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

DM465 / LICHEN Revision Date 11-May-2015

4. First aid measures

First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin Contact Wash skin with soap and water.

INHALATION Move to fresh air.

SINCE 1969 **INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition Sensitivity to Static Discharge

source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Methods for containment

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize **Methods for Cleaning Up**

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage

DM465 / LICHEN Revision Date 11-May-2015

Precautions for Safe Handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

Exposure Controls

Engineering Measures Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be

provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State Powder

appearance No information available Odor No information available

odor threshold No information available

Property VALUES Remarks • Method

pH No information available

DM465 / LICHEN Revision Date 11-May-2015

N/A melting point

Boiling point/boiling range No information available No information available Flash Point

Evaporation Rate no data available

flammability (solid, gas)

Flammability Limits in Air **Upper Flammability Limit**

no data available no data available

N/A

N/A

No information available Lower Flammability Limit No information available vapor pressure No information available **Vapor Density** No information available No information available Specific gravity

Solubility in Other Solvents No information available Partition coefficient: n-octanol/waterNo information available **Autoignition Temperature** No Data Available

No information available decomposition temperature Kinematic viscosity No Data Available **Dynamic viscosity** No information available **Explosive Properties** No information available No information available **Oxidizing properties**

OTHER INFORMATION

softening point Molecular Weight **VOC Content(%)** density

No information available

No information available. No information available

CO BLANKS SINCE 1969 10. Stability and Reactivity

Reactivity

no data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

Hazardous decomposition products

May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

INHALATION Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Not an expected route of exposure. Do NOT taste or swallow. **INGESTION**

DM465 / LICHEN Revision Date 11-May-2015

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization

Germ cell mutagenicity
carcinogenicity
Reproductive Toxicity
Specific target organ systemic

No information available.
No information available.
No information available.

toxicity (single exposure)
Specific target organ systemic
toxicity (repeated exposure)

No information available.

Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

C.E. 1969

federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Description NOT REGULATED

MEX

IATA

Description NOT REGULATED

IMDG

Revision Date 11-May-2015 DM465 / LICHEN

Description **NOT REGULATED**

RID

<u>ADN</u>

15. Regulatory Information

International Inventories

Listed
Listed

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

SLANIKS SINCE 1969 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with **REACH** registration number

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

DM465 / LICHEN Revision Date 11-May-2015

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note

ANKS SINCE 1969 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS Health Hazard 1 flammability Physical hazard 0 **PERSONAL** PROTECTION F

16. Other Information

11-May-2015 **Revision Date**

No information available. **Revision note**

Restrictions on use No information available.

WWW.DHARMATRADING.COM **Contact Information Website**

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

Safety Data Sheet

Issuing Date 18-May-2015 Revision Date 18-May-2015 Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code DM466

Product name BABY BLUE EYES

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance Blue Physical State Powder Odor No information available

precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

DM466 / BABY BLUE EYES Revision Date 18-May-2015

4. First aid measures

First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin Contact Wash skin with soap and water.

INHALATION Move to fresh air.

A SINCE 1969 **INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition Sensitivity to Static Discharge

source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Methods for containment

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize **Methods for Cleaning Up**

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage

DM466 / BABY BLUE EYES Revision Date 18-May-2015

Precautions for Safe Handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

Exposure Controls

Engineering Measures Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be

provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State Powder

appearance Blue Odor No information available

odor threshold No information available

Property VALUES Remarks • Method

pH No information available

DM466 / BABY BLUE EYES Revision Date 18-May-2015

no data available

N/A

N/A

N/A melting point

Boiling point/boiling range No information available No information available **Flash Point**

Evaporation Rate no data available no data available

flammability (solid, gas)

Flammability Limits in Air **Upper Flammability Limit** No information available Lower Flammability Limit No information available vapor pressure No information available

Vapor Density No information available No information available Specific gravity

Solubility in Other Solvents No information available Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature No Data Available No information available decomposition temperature Kinematic viscosity No Data Available

Dynamic viscosity No information available **Explosive Properties** No information available No information available **Oxidizing properties**

OTHER INFORMATION

softening point Molecular Weight

VOC Content(%) No information available. density No information available

CO BLANKS SINCE 1969 10. Stability and Reactivity

No information available

Reactivity

no data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

Hazardous decomposition products

May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

INHALATION Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Not an expected route of exposure. Do NOT taste or swallow. **INGESTION**

DM466 / BABY BLUE EYES Revision Date 18-May-2015

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization

Germ cell mutagenicity
carcinogenicity

Reproductive Toxicity
Specific target organ systemic

toxicity (cingle expecure)

No information available.
No information available.
No information available.

toxicity (single exposure)
Specific target organ systemic
toxicity (repeated exposure)

Aspiration Hazard

No information available.

No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

C.E. 1969

federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Description NOT REGULATED

MEX

IATA

Description NOT REGULATED

IMDG

Revision Date 18-May-2015 DM466 / BABY BLUE EYES

Description

NOT REGULATED

RID

<u>ADN</u>

15. Regulatory Information

International Inventories

TSCA	Listed
EINECS/ELINCS	Listed
DSL	Listed
NDSL	Listed
PICCS	Listed
ENCS	Listed
IECSC	Listed
AICS	Listed
KECL	Listed
NZIoC	Listed

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

SLANIKS SINCE 1969 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

DM466 / BABY BLUE EYES Revision Date 18-May-2015

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note

ANKS SINCE 1969 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS Health Hazard 1 flammability Physical hazard 0 **PERSONAL** PROTECTION F

16. Other Information

18-May-2015 **Revision Date**

No information available. **Revision note**

Restrictions on use No information available.

WWW.DHARMATRADING.COM **Contact Information Website**

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

Safety Data Sheet

Issuing Date 01-May-2015 Revision Date 01-May-2015 Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code DM467 Product name MAHOGANY

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance reddish brown Physical State Powder Odor No information available

precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

DM467 / MAHOGANY Revision Date 01-May-2015

Chemical Name	CAS-No	Weight %	Trade secret
NEUTRAL BROWN MBL	84989-26-4	40-50	*

4. First aid measures

First aid measures for different exposure routes

.er. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. **Eye Contact**

Consult a physician.

Skin Contact Wash skin with soap and water.

INHALATION Move to fresh air.

Clean mouth with water and drink afterwards plenty of water. **INGESTION**

Most important symptoms/effects, acute and delayed

No information available. **Main Symptoms**

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition

source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. **Environmental Precautions**

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. **Methods for containment**

Methods for Cleaning Up Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

DM467 / MAHOGANY Revision Date 01-May-2015

7. Handling and Storage

Precautions for Safe Handling

Advice on safe handling

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products

None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
NEUTRAL BROWN MBL	-	TWA: 0.5 mg/m ³ Cr	IDLH: 15 mg/m ³ Cr(VI) IDLH: 25
84989-26-4		(vacated) TWA: 0.5 mg/m ³ Cr	mg/m³ Cr(III)
		(vacated) Ceiling: 0.1 mg/m ³	TWA: 0.0002 mg/m ³ Cr TWA: 0.5
		Ceiling: 0.1 mg/m ³ CrO3 applies	mg/m³ Cr
		to any operations or sectors for	
		which the Hexavalent Chromium	
		standard [29 CFR 1910.1026] is	
		stayed or is otherwise not in	
	19	effect	

NIOSH IDLH Immediately Dangerous to Life or Health

Exposure guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

Exposure Controls

Engineering Measures

Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face ProtectionTightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the

substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

DM467 / MAHOGANY Revision Date 01-May-2015

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State Powder

appearance reddish brown Odor No information available

odor threshold No information available

Property **VALUES** Remarks • Method

No information available Hq

melting point N/A No information available

Boiling point/boiling range No information available **Flash Point**

no data available **Evaporation Rate** no data available flammability (solid, gas) no data available

Flammability Limits in Air

Upper Flammability Limit No information available No information available **Lower Flammability Limit** No information available vapor pressure **Vapor Density** No information available Specific gravity No information available

Solubility in Other Solvents No information available

Partition coefficient: n-octanol/waterNo information available No Data Available **Autoignition Temperature**

decomposition temperature No information available Kinematic viscosity No Data Available **Dynamic viscosity** No information available **Explosive Properties** No information available

No information available **Oxidizing properties**

OTHER INFORMATION

No information available softening point Molecular Weight

VOC Content(%) No information available. density No information available

10. Stability and Reactivity

Reactivity

no data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

Hazardous decomposition products

May emit toxic fumes under fire conditions.

DM467 / MAHOGANY Revision Date 01-May-2015

11. Toxicological Information

Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

SINCE 1969

INHALATION Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

INGESTION Not an expected route of exposure. Do NOT taste or swallow.

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitizationNo information available.Germ cell mutagenicityNo information available.

carcinogenicity

Chemical Name	ACGIH	IARC	NTP	OSHA
NEUTRAL BROWN MBL		Group 3	. 12	
84989-26-4				

IARC: (International Agency for Research on Cancer) Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive Toxicity

No information available.

Specific target organ systemic

No information available.

Specific target organ systemic toxicity (single exposure)

Specific target organ systemic

toxicity (repeated exposure)

No information available.

Chronic toxicity May cause adverse liver effects.

Target organ effects Blood, EYES, Kidney, Liver, Lungs, Respiratory System, skin.

Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects No information available

13. Disposal Considerations

Waste treatment

DM467 / MAHOGANY Revision Date 01-May-2015

Should not be released into the environment. Dispose of in accordance with local

Waste Disposal Methods

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

Do not re-use empty containers. Dispose of in accordance with local regulations. **Contaminated Packaging**

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
NEUTRAL BROWN MBL	Toxic
84989-26-4	Corrosive
	Ignitable

S CLOTHING BLANKS 14. TRANSPORT INFORMATION

DOT

NOT REGULATED Description

MEX

IATA

NOT REGULATED Description

IMDG

Description NOT REGULATED

RID

ADN

15. Regulatory Information

International Inventories

TSCA Listed Not Determined **EINECS/ELINCS** Not Determined **DSL** Not Determined **NDSL PICCS** Not Determined **ENCS** Not Determined **IECSC** Not Determined Not Determined **AICS** KECL Not Determined Not Determined

Legend

NZIoC

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

DM467 / MAHOGANY Revision Date 01-May-2015

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %
NEUTRAL BROWN MBL	1.0

SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

Clean Water Act

 Chemical Name
 CWA - Reportable Quantities
 CWA - Toxic Pollutants
 CWA - Priority Pollutants
 CWA - Hazardous Substances

 NEUTRAL BROWN MBL
 X
 X

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
NEUTRAL BROWN MBL		X	X	X	

International regulations

CANADA

WHMIS Note

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

DM467 / MAHOGANY Revision Date 01-May-2015

HMIS Health Hazard 1 flammability 1 Physical hazard 0 PERSONAL PROTECTION F

16. Other Information

Revision Date 01-May-2015

Revision note No information available.

Restrictions on useNo information available.

Contact Information Website WWW.DHARMATRADING.COM

Disclaimer

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End of Material Safety Data Sheet

Safety Data Sheet

Issuing Date 18-May-2015 Revision Date 18-May-2015 Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code DM468

Product name WINTER GREEN

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance Green Physical State Powder Odor No information available

precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

DM468 / WINTER GREEN Revision Date 18-May-2015

4. First aid measures

First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin Contact Wash skin with soap and water.

INHALATION Move to fresh air.

A SINCE 1969 **INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition Sensitivity to Static Discharge

source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Methods for containment

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize **Methods for Cleaning Up**

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage

DM468 / WINTER GREEN Revision Date 18-May-2015

Precautions for Safe Handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

Exposure Controls

Engineering Measures Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be

provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State Powder

appearance Green Odor No information available

odor threshold No information available

Property VALUES Remarks • Method

pH No information available

DM468 / WINTER GREEN Revision Date 18-May-2015

no data available

N/A

N/A

CO BLANKS SINCE 1969

N/A melting point

Boiling point/boiling range No information available No information available Flash Point

Evaporation Rate no data available no data available

flammability (solid, gas)

Flammability Limits in Air

Upper Flammability Limit No information available Lower Flammability Limit No information available vapor pressure No information available **Vapor Density** No information available No information available Specific gravity

Solubility in Other Solvents No information available Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature No Data Available No information available decomposition temperature Kinematic viscosity No Data Available **Dynamic viscosity** No information available **Explosive Properties** No information available

OTHER INFORMATION

Oxidizing properties

softening point Molecular Weight

VOC Content(%) No information available. density No information available

No information available

No information available

10. Stability and Reactivity

Reactivity

no data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

Hazardous decomposition products

May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

INHALATION Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Not an expected route of exposure. Do NOT taste or swallow. **INGESTION**

DM468 / WINTER GREEN Revision Date 18-May-2015

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No information available.

sensitization

Germ cell mutagenicity
carcinogenicity
Reproductive Toxicity
Specific target organ systemic
toxicity (single exposure)

No information available.
No information available.
No information available.

Specific target organ systemic toxicity (repeated exposure)

Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

C.E. 1969

federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Description NOT REGULATED

MEX

<u>IATA</u>

Description NOT REGULATED

IMDG

DM468 / WINTER GREEN Revision Date 18-May-2015

Description NOT REGULATED

RID

<u>ADN</u>

15. Regulatory Information

International Inventories

TSCA	Listed
EINECS/ELINCS	Listed
DSL	Listed
NDSL	Listed
PICCS	Listed
ENCS	Listed
IECSC	Listed
AICS	Listed
KECL	Listed
NZIoC	Listed

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

DM468 / WINTER GREEN Revision Date 18-May-2015

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note

ANKS SINCE 1969 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS Health Hazard 1 flammability Physical hazard 0 **PERSONAL** PROTECTION F

16. Other Information

18-May-2015 **Revision Date**

No information available. **Revision note**

Restrictions on use No information available.

WWW.DHARMATRADING.COM **Contact Information Website**

Disclaimer

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material or in any process, unless specified in the text

End of Material Safety Data Sheet

Safety Data Sheet

Issuing Date 27-Apr-2015 Revision Date 27-Apr-2015 Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code DM469

Product name GOLDEN POPPY

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance yellowish-brown powder Physical State Powder Odor No information available

precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

DM469 / GOLDEN POPPY Revision Date 27-Apr-2015

4. First aid measures

First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin Contact Wash skin with soap and water.

INHALATION Move to fresh air.

SINCE 1969 **INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition Sensitivity to Static Discharge

source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Methods for containment

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize **Methods for Cleaning Up**

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage

DM469 / GOLDEN POPPY Revision Date 27-Apr-2015

Precautions for Safe Handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

Exposure Controls

Engineering Measures Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be

provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State Powder

appearance yellowish-brown powder Odor No information available

odor threshold No information available

Property VALUES Remarks • Method

pH No information available

DM469 / GOLDEN POPPY Revision Date 27-Apr-2015

no data available

N/A

N/A

N/A melting point

Boiling point/boiling range No information available No information available Flash Point

Evaporation Rate no data available no data available

flammability (solid, gas)

Flammability Limits in Air **Upper Flammability Limit**

No information available Lower Flammability Limit No information available vapor pressure No information available **Vapor Density** No information available No information available Specific gravity

Solubility in Other Solvents No information available Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature No Data Available No information available decomposition temperature Kinematic viscosity No Data Available **Dynamic viscosity** No information available **Explosive Properties** No information available No information available **Oxidizing properties**

OTHER INFORMATION

softening point Molecular Weight **VOC Content(%)** density

No information available

No information available. No information available

CO BLANKS SINCE 1969 10. Stability and Reactivity

Reactivity

no data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

Hazardous decomposition products

May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

INHALATION Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Not an expected route of exposure. Do NOT taste or swallow. **INGESTION**

DM469 / GOLDEN POPPY Revision Date 27-Apr-2015

Information on Toxicological Effects

No information available. **Symptoms**

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No information available. sensitization Germ cell mutagenicity No information available. No information available. carcinogenicity **Reproductive Toxicity** No information available. Specific target organ systemic No information available. toxicity (single exposure)

Specific target organ systemic

No information available. toxicity (repeated exposure)

Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity **Unknown Acute Toxicity**

12. Ecological Information

ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

No information available Other Adverse Effects

13. Disposal Considerations

Waste treatment

Should not be released into the environment. Dispose of in accordance with local **Waste Disposal Methods**

regulations. This material, as supplied, is not a hazardous waste according to state and

C.E. 1969

federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Description NOT REGULATED

MEX

IATA

Description NOT REGULATED

IMDG

Revision Date 27-Apr-2015 DM469 / GOLDEN POPPY

Description NOT REGULATED

RID

<u>ADN</u>

15. Regulatory Information

International Inventories

Listed
Listed

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

SLANIKS SINCE 1969 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with **REACH** registration number

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

DM469 / GOLDEN POPPY Revision Date 27-Apr-2015

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note

ANKS SINCE 1969 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS Health Hazard 1 flammability Physical hazard 0 **PERSONAL** PROTECTION F

16. Other Information

27-Apr-2015 **Revision Date**

Revision note No information available.

Restrictions on use No information available.

WWW.DHARMATRADING.COM **Contact Information Website**

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

Safety Data Sheet

Issuing Date 18-May-2015 Revision Date 18-May-2015 Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code DM471
Product name SOUR APPLE

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance greenish

Physical State Powder

Odor No information available

precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

DM471 / SOUR APPLE Revision Date 18-May-2015

4. First aid measures

First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin Contact Wash skin with soap and water.

INHALATION Move to fresh air.

A SINCE 1969 **INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition Sensitivity to Static Discharge

source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Methods for containment

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize **Methods for Cleaning Up**

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage

DM471 / SOUR APPLE Revision Date 18-May-2015

Precautions for Safe Handling

Advice on safe handling

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

Exposure Controls

Engineering Measures Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be

provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State Powder

appearance greenish Odor No information available

odor threshold No information available

Property VALUES Remarks • Method

pH No information available

DM471 / SOUR APPLE Revision Date 18-May-2015

no data available

N/A

N/A

N/A melting point

Boiling point/boiling range No information available No information available Flash Point

Evaporation Rate no data available no data available

flammability (solid, gas)

Flammability Limits in Air **Upper Flammability Limit**

No information available **Lower Flammability Limit** No information available vapor pressure No information available **Vapor Density** No information available No information available Specific gravity

Solubility in Other Solvents No information available Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature No Data Available No information available decomposition temperature Kinematic viscosity No Data Available **Dynamic viscosity** No information available **Explosive Properties** No information available No information available **Oxidizing properties**

OTHER INFORMATION

softening point Molecular Weight **VOC Content(%)** density

No information available

No information available. No information available

CO BLANKS SINCE 1969 10. Stability and Reactivity

Reactivity

no data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

Hazardous decomposition products

May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

INHALATION Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Not an expected route of exposure. Do NOT taste or swallow. **INGESTION**

DM471 / SOUR APPLE Revision Date 18-May-2015

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization

Germ cell mutagenicity
carcinogenicity
Reproductive Toxicity
Specific target organ systemic
toxicity (single exposure)

No information available.
No information available.
No information available.

Specific target organ systemic toxicity (repeated exposure)

No information available.

Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

C.E. 1969

federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Description NOT REGULATED

MEX

IATA

Description NOT REGULATED

IMDG

Revision Date 18-May-2015 DM471 / SOUR APPLE

Description NOT REGULATED

RID

<u>ADN</u>

15. Regulatory Information

International Inventories

TSCA	Listed
EINECS/ELINCS	Listed
DSL	Listed
NDSL	Listed
PICCS	Listed
ENCS	Listed
IECSC	Listed
AICS	Listed
KECL	Listed
NZIoC	Listed

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

SLANIKS SINCE 1969 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

DM471 / SOUR APPLE Revision Date 18-May-2015

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note

ANKS SINCE 1969 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS Health Hazard 1 flammability Physical hazard 0 **PERSONAL** PROTECTION F

16. Other Information

18-May-2015 **Revision Date**

No information available. **Revision note**

Restrictions on use No information available.

WWW.DHARMATRADING.COM **Contact Information Website**

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

Safety Data Sheet

Issuing Date 13-May-2015 Revision Date 13-May-2015 Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code DM472

Product name BLUED STEEL

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance Blue Physical State Powder Odor No information available

precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

DM472 / BLUED STEEL Revision Date 13-May-2015

4. First aid measures

First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin Contact Wash skin with soap and water.

INHALATION Move to fresh air.

A SINCE 1969 **INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition Sensitivity to Static Discharge

source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Methods for containment

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize **Methods for Cleaning Up**

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage

DM472 / BLUED STEEL Revision Date 13-May-2015

Precautions for Safe Handling

Advice on safe handling

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines

ĺ	Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
	ACID BLUE 284 CRUDE	10 mg/m ³ TWA Total dust 3	15 mg/m³ TWA Total dust 5	No information available
	61814-66-2	mg/m³ Respirable	mg/m³ Respirable	

Exposure Controls

Engineering Measures

Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection

Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State

Powder

appearance Blue odor threshold No ir

No information available

Odor No information available

DM472 / BLUED STEEL Revision Date 13-May-2015

N/A

no data available

CALANIAS SINCE 1969

Property **VALUES** Remarks • Method

melting point

No information available Hq

Boiling point/boiling range No information available No information available

Flash Point Evaporation Rate no data available

flammability (solid, gas)

Flammability Limits in Air

no data available No information available

Upper Flammability Limit No information available **Lower Flammability Limit** No information available vapor pressure No information available **Vapor Density** No information available Specific gravity

Solubility in Other Solvents No information available Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature No Data Available decomposition temperature No information available No Data Available Kinematic viscosity Dynamic viscosity No information available **Explosive Properties** No information available **Oxidizing properties** No information available

OTHER INFORMATION

softening point Molecular Weight

VOC Content(%) density

No information available

No information available. No information available

10. Stability and Reactivity

Reactivity

no data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

Hazardous decomposition products

May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

INHALATION Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

INGESTION Not an expected route of exposure. Do NOT taste or swallow.

DM472 / BLUED STEEL Revision Date 13-May-2015

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No information available.

No information available. sensitization Germ cell mutagenicity No information available. carcinogenicity No information available. Reproductive Toxicity No information available. No information available. Specific target organ systemic toxicity (single exposure)

Specific target organ systemic toxicity (repeated exposure)

Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

Delince 1969 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity **Unknown Acute Toxicity**

12. Ecological Information

ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

No information available Other Adverse Effects

13. Disposal Considerations

Waste treatment

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

NOT REGULATED Description

MEX

IATA

NOT REGULATED Description

DM472 / BLUED STEEL Revision Date 13-May-2015

IMDG

Description NOT REGULATED

<u>RID</u>

ADN

15. Regulatory Information

International Inventories

TSCA Listed

EINECS/ELINCS Not Determined

DSL Not Determined

NDSL Not Determined

PICCS Listed ENCS Listed

IECSC Not Determined

AICS Listed KECL Listed

NZIoC Not Determined

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances **IECSC** - China Inventory of Existing Chemical Substances **AICS** - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration numberKeystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

3 BLANKS SINCE 1969

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard NO.
Chronic health hazard NO.
Fire hazard NO.
Sudden Release of Pressure Hazard NO.
Reactive Hazard NO.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

DM472 / BLUED STEEL Revision Date 13-May-2015

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note

ANKS SINCE 1969 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS Health Hazard 1 flammability Physical hazard 0 **PERSONAL** PROTECTION F

16. Other Information

13-May-2015 **Revision Date**

No information available. **Revision note**

Restrictions on use No information available.

WWW.DHARMATRADING.COM **Contact Information Website**

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet