

SAFETY DATA SHEET

Issuing Date 20-Aug-2015

Revision Date 20-Aug-2015

Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name Sniff'n'Stop Spray

Other means of identification

Product Code(s) IS-SNS

Synonyms Sniff 'n' Stop Spray

Recommended use of the chemical and restrictions on use

Recommended Use Natural Pest Deterrent

Uses advised against No information available

Supplier's details

Supplier Address

Sniff 'n' Stop, Inc.
P.O. Box 470036
Lake Monroe, FL 32747
TEL: 407-328-8500

Manufacturer Address

ICORP-IFOAM Specialty Products Corp.
250 Power Court
Sanford, FL 32771
TEL: 407-328-8500

Emergency telephone number

Emergency Telephone Number 407-328-8500

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word	None	
Appearance Tan	Physical State Liquid.	Odor Sweet

Precautionary Statements

Prevention

- None

General Advice

- None

Storage

- None

Disposal

- None

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

14.609% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms Sniff 'n' Stop Spray

Chemical Name	CAS-No	Weight %	Trade secret
Glycerin	56-81-5	15-30%	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact	Wash skin with soap and water. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

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

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

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 If spilled, take caution, as material can cause surfaces to become very slippery. Avoid breathing vapors or mists. Avoid contact with eyes. Use personal protective equipment as required.

Environmental Precautions

Environmental Precautions Prevent from entering into soil, ditches, sewers, waterways, and/ or groundwater. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

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

Methods for Cleaning Up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE**Precautions for safe handling**

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with eyes. Use personal protective equipment as required. Do not take internally. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed.

Incompatible Products Oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerin 56-81-5	TWA: 10 mg/m ³ mist	-	-

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection No special protective equipment required. Risk of contact, wear: Safety glasses with side-shields.

Skin and Body Protection No special protective equipment required.

Respiratory Protection No protective equipment is needed under normal use conditions. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid.	Appearance	Tan.
Odor	Sweet.	Odor Threshold	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	1.05	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Not flammable	
Explosive Properties	No data available	
Oxidizing Properties	No data available	
<u>Other information</u>		
VOC Content (%)	No data available	

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Incompatible products.

Incompatible materials

Oxidizing agents.

Hazardous decomposition products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Avoid breathing vapors or mists.
Eye Contact	Contact with eyes may cause irritation.
Skin Contact	There is no data available for this product.
Ingestion	There is no data available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glycerin	= 12600 mg/kg (Rat)	21900 mg/kg (Rat)	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.
Mutagenic Effects No information available.
Carcinogenicity Contains no ingredients above reportable quantities listed as a carcinogen.

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product

Acute Toxicity 14.609% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Glycerin 56-81-5	-	LC50 96 h: 51 - 57 mL/L static (Oncorhynchus mykiss)	-	EC50 24 h: > 500 mg/L (Daphnia magna)

Persistence and Degradability No information available.

Bioaccumulation No information available.

Chemical Name	Log Pow
Glycerin	-1.76

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with federal, state, and local regulations

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

Legend

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

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

U.S. 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).

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.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Glycerin	X	X			X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazard 1	Flammability 0	Instability 0	Physical and Chemical Hazards - Personal Protection X
<u>HMIS</u>	Health Hazard 1	Flammability 0	Physical Hazard 0	

Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
Issuing Date	20-Aug-2015
Revision Date	20-Aug-2015
Revision Note	Initial Release.

General Disclaimer

The information provided on this SDS 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 Safety Data Sheet

Sniff'n'Stop
MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS AND RELATED MATERIALS

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Sniff'n'Stop, Inc.
 ADDRESS: P.O. Box 470036
 Lake Monroe, FL 32747
 EMERGENCY TELEPHONE: (407) 328-8500
 MANUFACTURER'S CODE: IS-PPS-____
 PRODUCT CLASS: Micro-Encapsulated Essential Oils
 TRADE NAME: Sniff'n'Stop Water-Based Personal Protection Spray

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS NO.</u>	<u>% OF TOTAL WT.</u>
CEDAR OIL	8007-20-3	<1
CINNAMON OIL	8007-80-5	<1
CITRONELLA	8000-29-1	<1
CITRIC ACID	77-92-9	<1
CITRUS TERPENES	94266-47-4	<1
CLOVE OIL	8000-34-8	<1
GARLIC OIL	8000-78-0	<1
GERANIUM OIL	8000-46-2	<1
LEMONGRASS OIL	8007-02-1	<1
MINT OIL	8008-79-5	<3
PEPPERMINT OIL	8006-90-4	<3
ROSEMARY OIL	8000-25-7	<1
SODIUM CHLORIDE	7644-14-5	<1
SODIUM LAURYL SULFATE	151-21-3	<40
SOYBEAN OIL	8001-22-7	<1
THYME OIL	8007-46-3	<1
COD-LIVER OIL	8001-69-2	<1
GLYCERIN	56-81-5	>20
ISOPROPYL ALCOHOL	67-63-0	<1
MAGNESIUM OXIDE	1309-48-4	<1
MINERAL OIL (U.S.P.)	8012-95-1	<1
SILICA (AMORPHOUS FUMED, CRYSTALLINE FREE)	112945-52-5	<3
SODIUM CARBOXYMETHYL CELLULOSE (SODIUM SALT)	9004-32-4	<10
SODIUM CHLORIDE	7647-14-5	<1
VANILLIN	121-33-5	<1
WATER	7732-18-5	>40
WINTERGREEN OIL	68917-75-9	<1
POLYMER ENCAPSULANT	Mixture	<20

SECTION III - PHYSICAL/CHEMICAL PROPERTIES

COLOR:	COLORLESS TO PALE YELLOW
ODOR:	CITRUS TO MINTY AROMA
PHYSICAL STATE:	LIQUID
BOILING POINT:	349° F (176°C)
MELTING POINT:	-140°F (-96°C), THICKENS AT -108°F(-78°C)
SPECIFIC GRAVITY:	0.838 TO 0.843 @ 68°F (20°C)
REFRACTIVE INDEX:	1.471 TO 1.474
VAPOR PRESSURE:	<2mmHg @ 68°F (20°C)
FLASH POINT (DRY MATERIAL):	(CCCFP):189°F (87°C)
FLAMMABLE LIMITS:	LEL APPROX. 0.8, UEL 3.8
AUTOIGNITION TEMPERATURE:	458°F (237°C)
SOLUBILITY IN WATER:	SOLUBLE
EVAPORATION RATE:	0.02(BuAc=1)
VOLATILE ORGANIC COMPOUND (VOC) CONTENT:	>95% BY VOLUME
WEIGHT PER GALLON	10.35 – 10.75

Sniff'n'Stop
MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS AND RELATED MATERIALS

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: MATERIAL IS NOT FLAMMABLE OR COMBUSTIBLE (189°F – COC Method).

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM OR DRY CHEMICAL. CAUTION: CARBON DIOXIDE WILL DISPLACE AIR IN CONFINED SPACES AND MAY CREATE AN OXYGEN DEFICIENT ATMOSPHERE.

PRODUCTS OF COMBUSTION: CARBON MONOXIDE, CARBON DIOXIDE AND ALDEHYDES MAY BE FORMED.

SPECIAL FIRE FIGHTING PROCEDURES: CLOSED CONTAINERS MAY BUILD EXPLOSIVE PRESSURE FROM HEAT. TEMPERATURES AT OR ABOVE THE BOILING POINT MAY CAUSE GENERATION OF A TOXIC MIST.

DOT Hazard Class: NON REGULATED

HMIS: HEALTH - 2, FLAMMABILITY - 1, REACTIVITY - 0, PERSONAL PROTECTION – E

SECTION V - HEALTH HAZARD DATA

LIKELY ROUTES OF EXPOSURE: INGESTION: EYE CONTACT, SKIN CONTACT, AND INHALATION. NOT LIKELY TO BE TOXIC, BUT MAY CAUSE VOMITING, HEADACHE, OR OTHER MEDICAL PROBLEMS.

INHALATION: MAY CAUSE NOSE, THROAT, AND RESPIRATORY TRACT IRRITATION, COUGHING, HEADACHE.

EYE CONTACT: CAUSES MODERATE TO SEVERE IRRITATION.

CHRONIC/ CARCINOGENICITY EFFECTS: DOES NOT CONTAIN ANY CARCINOGENS OR POTENTIAL CARCINOGENS AS LISTED BY OSHA, IARC, ACGIH or NTP.

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: SEEK MEDICAL ATTENTION IMMEDIATELY. DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DO NOT ADMINISTER ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT LEAVE VICTIM UNATTENDED.

SKIN: IF IRRITATION DEVELOPS, WASH AFFECTED AREA WITH COPIOUS AMOUNTS OF SOAP AND WATER AND SEEK MEDICAL ATTENTION.

INHALATION: IF SYMPTOMS OF OVEREXPOSURE ARE EXPERIENCED, MOVE TO FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

EYES: REMOVE CONTACT LENSES AT ONCE. FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

GENERAL: AS WITH ANY CHEMICAL, EMPLOYEES SHOULD THOROUGHLY WASH HANDS WITH SOAP AND WATER AFTER HANDLING THIS MATERIAL.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE.

CONDITIONS TO AVOID: HIGH TEMPERATURE.

Sniff'n'Stop
MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS AND RELATED MATERIALS

SECTION VI - REACTIVITY DATA (Cont.)

HAZARDOUS
DECOMPOSITION
PRODUCTS:

COMBUSTION MAY YIELD CARBON MONOXIDE, CARBON DIOXIDE AND ALDEHYDES. FUMES MAY BE TOXIC.

HAZARDOUS
POLYMERIZATION

May Occur Will Not Occur

SECTION VII – ACCIDENTAL RELEASE MEASURES

PERSONAL:
PRECAUTIONS:

PRODUCT IS SLIPPERY WHEN SPILLED. ISOLATE THE HAZARD AREA. DENY ENTRY TO UNNECESSARY AND UNPROTECTED PERSONNEL.

ENVIRONMENTAL
PRECAUTIONS:

KEEP OUT OF DRAINS, SEWERS, DITCHES AND WATERWAYS.

METHODS FOR
CONTAINMENT:

DIKE SPILL AREA AND CAP LEAKING CONTAINERS AS NECESSARY TO PREVENT FURTHER SPREADING OF SPILLED MATERIAL. ABSORB SPILLED LIQUID WITH SUITABLE MATERIAL SUCH AS DIRT OR SAND.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:

NONE WITH SUFFICIENT VENTILATION. FOR POORLY VENTILATED AREAS, USE NIOSH APPROVED AIR-PURIFYING RESPIRATOR WITH ORGANIC VAPOR CARTRIDGES.

Ventilation:

LOCAL EXHAUST SPECIAL
 MECHANICAL EXHAUST OTHER - FORCED VENTILATION FROM OUTSIDE SOURCE

Protective Gloves:

NEOPRENE

Eye Protection:

PROTECTIVE GOGGLES OR FACE SHIELD

Work/Hygienic Practices:

USE PROTECTIVE CREAM FOR SENSITIVE SKIN AND WASH FROM AFFECTED AREAS AS SOON AS POSSIBLE. AVOID PROLONGED BREATHING OF VAPORS OR SPRAY MIST.

SECTION X - TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS:

THIS PRODUCT IS NOT CLASSIFIED AS A CARCINOGEN BY OSHA, IARC, ACGIH OR NTP. THIS PRODUCT HAS NOT BEEN SHOWN TO PRODUCE GENETIC CHANGES WHEN TESTED ON BACTERIAL OR ANIMAL CELLS. THIS PRODUCT DOES NOT CONTAIN KNOWN REPRODUCTIVE OR DEVELOPMENTAL TOXINS. PROLONGED OR REPEATED EXPOSURE CAN CAUSE DRYING OR DERMATITIS OF SKIN. IMPROPER STORAGE AND HANDLING MAY LEAD TO THE FORMATION OF A POSSIBLE SKIN SENSITIZER.

SECTION XI - ECOLOGICAL INFORMATION

ECOTOXICITY:

THERE IS NO INFORMATION AVAILABLE AT THIS TIME FOR THIS PRODUCT. HOWEVER, A SPILL MAY PRODUCE SIGNIFICANT TOXICITY TO AQUATIC ORGANISMS AND ECOSYSTEMS. SOME STUDIES HAVE SHOWN THAT CERTAIN BACTERIA AND FUNGI HAVE THE ABILITY TO DEGRADE TERPENES, DECREASING THEIR TOXICITY TO FISH. WHEN SPILLED, THIS PRODUCT MAY ACT AS AN OIL, CAUSING A FILM, SHEEN, EMULSION OR SLUDGE AT OR BENEATH THE SURFACE OF A BODY OF WATER.

Sniff'n'Stop
MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS AND RELATED MATERIALS

SECTION XII - DISPOSAL CONSIDERATIONS

DISPOSAL:

INCINERATE OR DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. TAKING REGULATIONS INTO CONSIDERATION, WASTE MAY BE INCINERATED OR HANDLED THROUGH EPA SPILL CONTROL PLAN VIA LANDFILL OR DILUTION. COMMERCIALY CLEAN CONTAINERS PRIOR TO DISPOSAL. OIL SOAKED RAGS SHOULD BE DISPOSED OF PROPERLY TO PREVENT SPONTANEOUS COMBUSTION.

SECTION XIII - TRANSPORT INFORMATION

US DOT HAZARD
CLASS:

NONE

All information, recommendation, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is made by ICORP-IFOAM Specialty Products Corporation, Sniff'n'Stop, Inc., ISTOP Technologies Corporation, or their Distributors, Sales Representatives, or subsidiaries, as to the effects of such use, the results obtained, or the safety and toxicity of the product nor does ICORP-IFOAM Specialty Products Corporation, Sniff'n'Stop, Inc., or ISTOP Technologies Corporation assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

SAFETY DATA SHEET

Issuing Date 25-Aug-2015

Revision Date 25-Aug-2015

Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name Sniff'n'Stop Granules

Other means of identification

Product Code(s) IS-SNS

Synonyms Sniff'n'Stop Essential Oil Pest Detering Granules (Fine and Coarse)

Recommended use of the chemical and restrictions on use

Recommended Use Natural Pest Deterrent

Uses advised against No information available

Supplier's details

Supplier Address

Sniff 'n' Stop, Inc.
P.O. Box 470036
Lake Monroe, FL 32747
TEL: 407-328-8500

Manufacturer Address

ICORP-IFOAM Specialty Products Corp.
250 Power Court
Sanford, FL 32771
TEL: 407-328-8500

Emergency telephone number

Emergency Telephone Number 407-328-8500

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Combustible Dust	-
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GHS Label elements, including precautionary statements

Emergency Overview

Signal Word

Hazard Statements

- May form combustible dust concentrations in air

Warning

Appearance Tan

Physical State Solid/Powder.

Odor Sweet

Precautionary Statements

Prevention

- None

General Advice

- None

Storage

- None

Disposal

- None

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

69.6453% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Sniff'n'Stop Essential Oil Pest Detering Granules (Fine and Coarse)

Chemical Name	CAS-No	Weight %	Trade secret
Diatomaceous earth	61790-53-2	50-80%	*
Silica, amorphous, fumed, crystal-free	112945-52-5	1-4%	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures**Eye Contact**

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Skin Contact

Wash skin with soap and water. If skin irritation persists, call a physician.

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion

Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed, if necessary**Notes to Physician**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO₂). Dry chemical. Alcohol-resistant foam.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Explosion Data

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

Yes.

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 Ensure adequate ventilation. Avoid dust formation. Use personal protective equipment. Remove all sources of ignition. Take precautionary measures against static discharges. Wash thoroughly after handling.

Environmental Precautions

Environmental Precautions See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

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

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid dust formation. Keep away from open flames, hot surfaces and sources of ignition. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

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
Diatomaceous earth 61790-53-2	-	(vacated) TWA: 6 mg/m ³ Silica, amorphous <1% Crystalline silica : (80)/(%) SiO ₂ mg/m ³ TWA TWA: 20 mppcf	TWA: 5 mg/m ³ respirable dust TWA: 10 mg/m ³ total dust
Silica, amorphous, fumed, crystal-free 112945-52-5	10 mg/m ³	TWA: 20 mppcf; ((80)/(%) SiO ₂) mg/m ³)	IDLH: 3000 mg/m ³ TWA: 6 mg/m ³

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.
Skin and Body Protection Protective gloves.

Respiratory Protection	No protective equipment is needed under normal use conditions. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Solid/Powder.	Appearance	Tan.
Odor	Sweet.	Odor Threshold	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	1.35	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

Flammable Properties Dust can form an explosive mixture in air.

Explosive Properties No data available

Oxidizing Properties No data available

Other information

VOC Content (%) No data available

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.
Fine dust dispersed in air may ignite.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Dust formation.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Inhalation	Inhalation of dust in high concentration may cause irritation of respiratory system.
Eye Contact	Dust contact with the eyes can lead to mechanical irritation.
Skin Contact	Contact with dust can cause mechanical irritation or drying of the skin.
Ingestion	There is no data available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Silica, amorphous, fumed, crystal-free	= 3160 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.
Mutagenic Effects No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Diatomaceous earth		Group 3		X
Silica, amorphous, fumed, crystal-free		Group 3		

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

OSHA: (Occupational Safety & Health Administration)
 X - Present

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product

Acute Toxicity 69.6453% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral 87201 mg/kg; Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)

Diatomaceous earth 61790-53-2		LC50 72 h: > 10000 mg/L (Cyprinus carpio)		
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Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with federal, state, and local regulations

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

Legend

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

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

U.S. 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	Yes
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).

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.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Diatomaceous earth	X			X	X
Zinc oxide	X	X	X		

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazard 1	Flammability 1	Instability 0	Physical and Chemical Hazards -
<u>HMIS</u>	Health Hazard 1	Flammability 1	Physical Hazard 0	Personal Protection X

Prepared By Product Stewardship
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Issuing Date 25-Aug-2015
Revision Date 25-Aug-2015
Revision Note Initial Release.

General Disclaimer

The information provided on this SDS 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 Safety Data Sheet