

SAFETY DATA SHEET
Regulation (EC) No 1907/2006 (REACH) and 2015/830

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Name: Sole-Guard Sole Protection 47160 Black Part B

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Adhesive

1.3 Details of the Supplier of the Safety Data Sheet

Supplier: METREX® RESEARCH
28210 Wick Rd
Romulus, MI 48174
U.S.A.

1.4 Emergency Telephone Number

CHEMTREC: 1-703-527-3887 (Outside the US)

Information Phone Number: 1-800-841-1428 (Customer Service)

SDS Date of Preparation/Revision: April 2, 2018

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture

GHS Classification:

Eye Irritation Category H319

Specific Target Organ Toxicity Repeated Exposure Category 2 H373

Hazardous to the Aquatic Environment Chronic Hazard Category 2

2.2 Label Elements

Warning!



Hazard Phrases

H319 May cause serious eye irritation.

H373 May cause damage to pancreas, liver and kidneys through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects

Prevention:

P260 Do not breathe vapors.

P273 Avoid release to the environment.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal

P501 Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: None known

Section 3. Composition/Information On Ingredients

3.2 Mixture

| Component | CAS No./ EC No. | Amount | GHS Classification |
|---------------------------------------------------|---------------------------|--------|---------------------------------------------------------------------------------------------------------------------------|
| Glycerol Poly(Oxyethylene, Oxypropylene) Ether | 9082-00-2 | 60-90 | Not hazardous |
| Diethyltoluenediamine | 68479-98-1 / 270-877-4 | 10-<25 | Acute Tox 4 H302, H312 Eye Irrit 2 H319 STOT RE 2 H373 (pancreas) Aquatic Acute 1 H400 Aquatic Chronic 1 H410 |
| Bismuth Trineodecanoate | 34364-26-6 / 251-964-6 | 1-5 | Not hazardous |
| Neodecanoic Acid | 26896-20-8 / 248-093-9 | 1-5 | Not hazardous |

Section 4. First Aid Measures

4.1 Description of First Aid Measures

Eyes: Immediately flush eyes with water for 15 minutes while lifting the upper and lower lids. Get medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops, get medical attention. Launder clothing before re-use.

Inhalation: Immediately remove to fresh air. If breathing is difficult or other symptoms develop, get medical attention.

Ingestion: If conscious, rinse mouth with water. Never give anything by mouth to a person who is unconscious or convulsing. Do not induce vomiting. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed: Causes eye irritation. Prolonged skin contact may cause irritation. Prolonged overexposure may cause damage to the kidneys, liver and pancreas based on animal data.

4.3 Indication of any immediate medical attention and special treatment needed: None needed under normal conditions of use.

Section 5. Firefighting Measures

5.1 Extinguishing Media: Use any extinguishing media that is appropriate for the surrounding fire. Cool fire exposed containers with water.

5.2 Special Hazards arising from the Substance or Mixture: Combustion may produce carbon oxides, dichloroacetylene and aldehydes.

5.3 Advice for Firefighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing as described in Section 8. Ventilate the area. Evacuate area. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice.

6.2 Environmental Precautions: Avoid release to the environment. Report spill as required by local and federal regulations.

6.3 Methods and Material for Containment and Cleaning Up: Contain spill. Cover with absorbent material. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Place in an approved container for disposal. Seal container.

6.4 Reference to Other Sections:

Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

Section 7. Handling and Storage

7.1 Precautions for Safe Handling: Avoid breathing vapors or mists. Avoid contact with eyes, skin, or clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a well-ventilated place. Store away from oxidizing agents and other incompatible materials.

7.3 Specific end use(s): Adhesive

Section 8. Exposure Controls/Personal Protection

8.1 Control Parameters:

| Chemical | Exposure Limit |
|------------------------------------------------|------------------|
| Glycerol Poly(Oxyethylene, Oxypropylene) Ether | None Established |
| Diethyltoluenediamine | None Established |
| Bismuth Trineodecanoate | None Established |
| Neodecanoic Acid | None Established |

8.2 Exposure Controls:

Recommended Monitoring Procedures: Contact professional occupational hygienist for monitoring.

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits. If ventilation is not adequate, use respiratory protection equipment.

Personal Protective Measurers

Respiratory Protection: Based on the results of the exposure assessment, a half-face air-purifying respirator suitable for organic vapors and particulates should be used with A & P filters. Select in accordance with EU standard EN 140 or EN 136, other applicable regulations and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Hand protection: Impervious gloves such as polymer laminate are recommended. Select in accordance with EU standard EN 374

Eye Protection: Indirect vented goggles are recommended. Select in accordance with EU standard EN 166.

Skin Protection: Wear protective clothing as needed to avoid skin contact.

Other protection: Wash contaminated clothing or dispose of properly. A safety shower and eye wash should be available in the immediate work area.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties:

| | | | |
|-------------------------------------|-----------------------------------|-------------------------------------------------|----------------|
| Appearance: | Light blue, clear viscous liquid. | Vapor Pressure: | Not available |
| Odor: | Slight ammonia | Vapor Density: | Not available |
| Odor Threshold: | Not available | Relative Density /Specific Gravity: | 1.024 |
| pH: | Not applicable | Solubility in Water: | Not available |
| Melting/Freezing Point: | Not available | Partition Coefficient: (n-octanol/water) | Not applicable |
| Initial Boiling Point/Range: | Not available | Auto-ignition Temperature: | Not applicable |
| Flash Point: | 110°C 230°F) TCC | Decomposition Temperature: | Not applicable |
| Evaporation Rate: | <1 (water = 1) | Viscosity: | 1000-200 mPas |
| Flammability: (solid/gas) | Not applicable | Explosive Properties: | None |
| Flammable/ Explosive Limits: | Not applicable | Oxidizing Properties: | None |

9.2 Other Information: None

Section 10. Stability and Reactivity

- 10.1 Reactivity:** Not expected to react under normal handling.
10.2 Chemical Stability: Stable under normal storage and handling conditions.
10.3 Possibility of Hazardous Reactions: None known.
10.4 Conditions to Avoid: None known.
10.5 Incompatible Materials: Strong acids and strong oxidizing agents. .
10.6 Hazardous Decomposition Products: Thermal decomposition will produce oxides of carbon oxides, dichloroacetylene and aldehydes.

Section 11. Toxicological Information

11.1 Information on Toxicological Effects:

Potential Health Effects:

Inhalation: May cause respiratory irritation with coughing and sneezing.

Skin Contact: Prolonged skin contact may cause irritation.

Eye Contact: Causes eye irritation with redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Ingestion: Swallowing may cause gastrointestinal irritation, abdominal pain, nausea, vomiting and diarrhea.

Acute Toxicity Values: No toxicity data is available for the product.

Acute Toxicity Estimate (ATE): Oral: >5,000 mg/kg, Inhalation >5 mg/L/4hr, Dermal >2000 mg/L

Glycerol Poly(Oxyethylene,Oxypropylene) Ether: Oral rat LD50 >10,000 mg/kg, Dermal rabbit LD50 >5,000

Diethyltoluenediamine: Oral rat LD50 728 mg/kg, Dermal rat LD50 >2000 mg/kg, Inhalation rat LC50 >2.45 mg/L/1 hr (no mortalities)

Bismuth Trineodecanoate: No toxicity data available

Neodecanoic Acid: Oral rat LD50 2066 mg/kg, Inhalation rat LC50 >3 mg/L/6 hr, Dermal rat LD50 >3640 mg/L

Skin corrosion/irritation: None of the components are irritating to rabbit skin.

Eye damage/ irritation: Diethyltoluenediamine is irritating to rabbit eyes. This product is classified s an eye irritant.

Skin Sensitization: None of the components causes skin sensitization in animals or humans.

Respiratory Sensitization: No data available. This product is not expected to cause respiratory sensitization. .

Germ Cell Mutagenicity: None of the components have been shown to cause gem cell mutagenicity.

Carcinogenicity: None of the components are classified as a carcinogen by the EU CLP.

Developmental / Reproductive Toxicity: None of the components are classified as reproductive or developmental toxins.

Specific Target Organ Toxicity (Single Exposure): No data available.



Specific Target Organ Toxicity (Repeated Exposure): In a 90 day repeated dose study, rats were administered 8 mg/kg, 21 mg/kg and 122 mg/kg. Signs of toxicity were evident in animals receiving diethyltoluenediamine at 21 and 122 mg/kg. The liver, kidney, and pancreas were target organs of toxicity. NOAEL 8 mg/kg.

Aspiration Toxicity: None of the components are aspiration hazards.

Section 12. Ecological Information

12.1 Toxicity: No toxicity data available for product
Glycerol Poly(Oxyethylene, Oxypropylene) Ether: 96 hr LC50 Danio rerio >100 mg/L, 48 hr EC50 daphnia magna >100 mg/L, 72 hr EC50 green algae >100 mg/L
Diethyltoluenediamine: 48 hr EC50 Leuciscus idus 250 mg/L, 48 hr EC50 daphnia magna 0.5 mg/L, 72 hr ErC50 104 mg/L
Bismuth Trineodecanoate: No data available
Neodecanoic Acid: 96 hr LL50 Oncorhynchus mykiss 100-300 mg/L, 48 hr EL50 daphnia magna >1000 mg/L, 72 hr EC50 Pseudokirchneriella subcapitata >100 mg/L

12.2 Persistence and Degradability: Trimethylolpropane poly(oxypropylene) triether is readily biodegradable. Polypropylene glycol is inherently biodegradable. Neodecanoic acid is not readily biodegradable.

12.3 Bioaccumulative Potential: Trimethylolpropane poly(oxypropylene) triether has a BCF <3.

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB assessment: This product is not a PBT and vPvB.

12.6 Other Adverse Effects: None known.

Section 13. Disposal Considerations

13.1 Waste Treatment Methods:

Dispose of contents and container in accordance with all local and national regulations.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incine polymerized may be placed in a landfill properly designed for industrial waste. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations.

Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

Section 14. Transport Information

| | 14.1 UN Number | 14.2 UN Proper Shipping Name | 14.3 Transport Hazard Class(es) | 14.4 Packing Group | 14.5 Environmental Hazards |
|--------|----------------|------------------------------|---------------------------------|--------------------|----------------------------|
| US DOT | | Not Regulated | | | |



| | | | | | |
|------------|--|---------------|--|--|--|
| EU ADR/RID | | Not Regulated | | | |
| IMDG | | Not Regulated | | | |
| IATA/ICAO | | Not Regulated | | | |

14.6 Special Precautions for User: None identified

14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code: Not applicable

Section 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Other EU Regulations: This product is classified and labeled in accordance with CLP Regulation. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 (REACH)

16. Other Information

GHS Classification for Reference (See Sections 2 and 3):

- Acute Tox. 4 Acute Toxicity Category 4
- Eye Irrit 2 Eye Irritation Category 2
- STOT RE 2 Specific Target Organ Toxicity Repeated Exposure Category 2
- Aquatic Acute 1 Hazardous to the Aquatic Environment Acute Hazard Category 1
- Aquatic Chronic 1 Hazardous to the Aquatic Environment Chronic Hazard Category 1
- H302 Harmful if swallowed
- H312 Harmful in contact with skin.
- H319 Causes serious eye irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Effective Date: April 2, 2018
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