



Material Safety Data Sheet

1. Chemical Product & Company Data

Product Name: MicroGuard™ Equipment Protectant	
Manufacturer:	Supplier:
ProRestore™ Products 4660 Elizabeth Street Coraopolis, PA 15108 Telephone: 1-412-264-8340	Dri-Eaz Products, Inc. 15180 Josh Wilson Road Burlington, WA 98233 (360) 757-7776, (800) 932-3030
For chemical emergency during transportation call INFOTRAC (US) 1-800-535-5053 (INT'L) 1-352-323-3500	
Date: 3/20/2012	
REvised from: 11/12/2008	

2. Ingredients

Name	CAS #	UN#	% by volume
Amino functional polydimethyl siloxane	67923-07-3		< 1.0%

3. Hazards Identification

Emergency Overview and Potential Hazards

HMIS classifications: Health: 2 Fire: 0 Reactivity: 0 PPE: I

Silicone based products can substantially reduce or eliminate traction. Avoid spilling product on floors otherwise injury from slips and falls can occur.

Signal word: WARNING

Acute Health Effects:

- Route of entry: Eye, skin, inhalation [aerosol]
- Eye contact: Can cause eye irritation
- Skin contact: Can cause skin irritation
- Inhalation: Aerosol exposure may be hazardous to health based on animal studies. May cause lung damage if inhaled as an aerosol
- Mucous membrane contact: May cause mucous membrane irritation
- Ingestion: May cause stomach irritation, pain and nausea. Small amounts of liquid aspirated into the respiratory tract during ingestion or vomiting may cause damage to lungs
- Additional information: Ingestion is not expected during normal industrial use. Depending on method of application or use, exposure to hazardous material is possible. The toxicological evaluation is based on known effects of the active material.

Chronic Health Effects: No known or expected chronic health effects

Medical conditions which may be aggravated by exposure: None known

Target organs affected: Lungs

Sign and Symptoms of Exposure: Refer to acute effects.

Carcinogens/Reproductive Toxins: There are no known carcinogenic ingredients at present at or over 0.1% in this material. This materials does not contain any reproductive toxins as or above OSHA or WHMIS reportable levels.

4. First Aid

General Information – Get medical attention if irritation occurs or if breathing becomes difficult. Remove contaminated clothing and shoes.

Ingestion- For ingestion, if conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids. Danger of aspiration. Never give anything by mouth to an unconscious person.

Inhalation – If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation persists.

Eye Contact – If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Skin Contact – For skin contact, immediately wipe away excess material. Use a waterless hand cleaner to remove as much of the remaining material as possible. Wash with soap and water. Get medical attention if irritation persists.

Note to physician – Treat symptomatically.

5 Fire Fighting Measures

Flash point: N/A	Boiling point: N/D	Lower explosion limit: N/D
Upper explosion limit: N/D	Ignition temperature: N/D	
Fire and explosion hazard: this product does not represent an unusual fire or explosion hazard		
Fire extinguishing media: AFFF alcohol compatible foam. Carbon dioxide. Dry chemical. Water: use fine spray or fog.		
Unsuitable extinguishing media: none known		
Special exposure hazards: Hazardous decomposition products: various hydrocarbon fragments, carbon dioxide, formaldehyde, carbon monoxide, silicone dioxide, nitrogen oxides, sulphur oxides , hydrogen chloride		
Fire fighting procedures: full turnout gear and self contained breathing apparatus should be worn when fighting large fires.		

6. Accidental Release Measures

Precautions: Wear person protective equipment. Avoid contact with eyes and skin. Avoid inhaling mists and vapors. If material is released, indicate risk of slipping. HAZWOPER PPE Level: D
Containment: Prevent material from entering surface waters, drains or sewers or soils. Contain any fluid that runs out using suitable material [e.g. earth]. Retain contaminated water/extinguishing water. Spills of materials which could reach surface water must be report to the United State Coast Guard National Response Center's Toll free phone number 800-424-8802.
Methods for cleaning up: For small amounts: absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain large amounts and pump up into suitable containers.

7. Handling & Storage

General information. Shake gently before use.
Handling Precautions for safe handling Avoid formation of aerosols. In case of aerosol formation special protective measures are required: exhausting by suction, respiratory protection]. Ensure adequate ventilation. Spilled substance increases risk of slipping.
Incompatible materials: None known
Storage: Keep from freezing.

8. Exposure Controls & Personal Protection

Personal Protective Equipment and Engineering Controls
Ventilation: use with adequate ventilation. If spraying or other aerosol generating operations are performed, provide local exhaust ventilation.

Personal Protection Equipment [PPE]

Respiratory protection: If spraying or other operations which generate an aerosol mist are conducted, respiratory protection for exposed personnel is recommended. A NIOSH approved air purifying respirator equipped with universal multi-containment, multi-gas/vapor cartridge and at least P99 solid/aerosol particulate filters is recommended if overexposure to dusts, mist or vapors could occur. If eye irritating dusts or vapors are present, a full face respirator should be worn.

Hand protection: Any liquid tight rubber or vinyl gloves.

Eye protection: Safety glasses with side shields. Additional eye and face protection, splash proof goggles coverall or protective suit should be worn if splashing could occur. Provide eye bath and safety shower.

General hygiene and protection measurer: Avoid contact with eyes, skin and clothing, Do not eat, drink or smoke when handling. Wash thoroughly after handling.

9. Physical & Chemical Properties

Appearance: Blue white opaque liquid	Odor: Mild amaretto fragrance	
Density: 0.99 g/ cm ³	pH: 7.5 to 9.5	Percent volatile: 95%
Water solubility: Fully miscible	VOC: <0.1 g/l	

10. Stability and Reactivity

If handled and stored according to standard industrial practices, no hazardous reactions are known.

Conditions to avoid: None known

Materials to avoid: None known

Hazardous decomposition products: If stored and handled in accordance with standard induction practices where applicable: none known. The following applies for the silicone content of this substance: measurements have shown the formation of small amounts of formaldehyde at temperatures above 150 C through oxidation.
Hazardous polymerization will not occur.

11. Toxicological Information

Toxicological testing has not been conducted on this material.

12 Ecological Information

Biodegradation: Silicone content not biodegradable

Further information: Silicone content: elimination by adsorption to activated sludge

Behavior in environmental compartments

Mobility

Silicone content generate no stable films on surface of water, is absorbed by floating particles. Separation by sedimentation.

Exotoxicological effects: No data known

Effects in sewage treatment plants [bacteria toxicity]: according to current knowledge averse effect on water purification plants are not expected

General information: Prevent material from entering surface waters and soils

13. Disposal Considerations

Product disposal: Dispose of according to regulations by incineration in a special waste incinerator. Observe applicable regulations.

Packaging disposal: Completely discharge containers and offer for recycling.

14. Transport Information

Not regulated for transport

15. Regulatory Information

TSCA inventory status and TSCA information:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification:

This material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals:

This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals:

This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class:

Immediate (acute) health hazard.

SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above de minimus levels.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

WARNING: This product contains a chemical(s) known to the State of California to cause cancer and/or birth defects or other reproductive harm.

16. Other Information

Abbreviations:

n/d. = not available

mm Hg = millimeters of Mercury

COC = Cleveland Open Cup

LD = Lethal Dose

n/a = not applicable

PMCC = Pensky Martens Closed Cup

TWA = Time Weighted Average

LC = Lethal Concentration

ppm = parts per million

TCC = Tagliabue Closed Cup

STEL = Short Term Exposure Limit

CS = centistokes

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