

PRODUCT NAME: ABRO Fabric Guard
PRODUCT NUMBER/SIZE: FG-008-R / 8 oz.

Rev Date: 7/16/2015

SECTION 1 Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.

ADDRESS: 3580 Blackthorn Court
South Bend, IN 46628
USA

PRODUCT DESCRIPTION: Material for Water & Oil Repellents

COMPANY PHONE: 574-232-8289

EMERGENCY 24-HR TELEPHONE: Chemtrec: US/Canada 1-800-424-9300
International +1-703-527-3887

SECTION 2 Hazards Identification

Classification:

None

Label Pictogram(s):

None

Signal Word: None

Hazard Phrases: None

Precautionary Phrases: None

Response: None

Storage / Disposal: None

Other: Keep out of reach of children. May cause skin, and respiratory irritation. It may also be harmful if inhaled. Above 200EC (392EF) traces of hydrogen fluoride and other toxic fluorinated compounds may be produced; inhalation of these compounds under these conditions may result in serious lung irritation.

SECTION 3 Composition/Information on Ingredients

<u>Components</u>	<u>CAS Number</u>	<u>Percent by weight</u>
Water	7732-18-5	90-95
Propylene Glycol	57-55-6	.5-1
Proprietary polymer system	Trade Secret	1.5

SECTION 4 First Aid Measures

EYE CONTACT: Flush with large amounts of water for 10-15 minutes. Consult a physician if needed.

SKIN CONTACT: Wash affected area with soap and water. Remove contaminated clothing and shoes.

INHALATION: Leave the contaminated area and seek fresh air. If breathing is difficult, contact a physician.

INGESTION: Consult a physician immediately.

SECTION 5 Fire Fighting Measures

Extinguishing Media

Alcohol foam, CO₂, dry chemical or water spray

Protective Equipment: Use NIOSH/MSHA approved SCBA and bunker gear. Evolution of acidic gases may require complete wash down of protective clothing prior to removal.

Hazardous Combustion Products: In case of fire or if processing at high temperatures, toxic gases including hydrofluoric acid, perfluoroisobutylene, and carbonyl fluoride may be formed.

SECTION 6 Accidental Release Measures

Ensure cleanup is done only by trained personnel wearing appropriate personal protective equipment.

Ventilate area and cover with absorbent material.

Collect spilled material in a container and seal.

Spilled material is a slipping hazard.

SECTION 7 Handling and Storage

HANDLING

Follow safe industrial hygiene practices and wear proper protective equipment.

Use only in well ventilated areas.

Wash hands thoroughly after handling.

Wash clothing after use.

Avoid contact with skin or eyes.

Do not breathe vapor or spray.

Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

If smoking tobacco becomes contaminated by this material, exposure to toxic gases through inhalation can occur.

Therefore, do not smoke in the work areas and wash hands and face after handling in order to avoid transfer of material onto tobacco.

STORAGE

Store material at 5EC (40EF) to 40EC (104EF).

Perishable if frozen. Keep from freezing.

Keep away from heat, steam, sunlight, sparks and open flame.

Store containers tightly closed when not in use.

SECTION 8

Exposure Controls/Personal Protection

EXPOSURE LIMITS: No exposure limits available for the product. Excessive exposure to thermal degradation (above 425EC/797EF) of this product could result in delayed pulmonary edema in some cases, and on extremely high exposure, damage to the liver and kidneys. These substances may include: perfluoroisobutylene (TLV = 0.01 ppm Ceiling), carbonyl fluoride (TLV = 2 ppm TWA, 5 ppm STEL), hydrogen fluoride (TLV = 2 ppm Ceiling, 0.5 ppm TWA).

RESPIRATORY PROTECTION: Use with adequate ventilation and/or respirator suitable for protection when spraying this material. If material is heated above 200EC (392EF), use a positive pressure air supplied respirator or SCBA.

EYE PROTECTION: Safety glasses with side shields or goggles.

PROTECTIVE CLOTHING: Chemical resistant gloves and protective clothing should be worn when handling this material.

VENTILATION: Use local exhaust ventilation if material is heated above 200EC (392EF).

OTHER PROTECTIVE EQUIPMENT: Eyewash station and safety shower.

SECTION 9

Physical and Chemical Properties

APPEARANCE:	Milky white to off white liquid
ODOR:	Not available
ODOR THRESHOLD:	Not available
pH:	6-8
MELTING POINT:	Not Applicable
FREEZING POINT:	Approximately 0EC (32EF)
BOILING POINT/RANGE:	Approximately 100EC (212EF) (water)
FLASH POINT:	Doesn't flash
FLAMMABLE LIMITS:	LEL - Not Available UEL - Not Available
EVAPORATION RATE (Butyl acetate=1):	Not Available
VAPOR PRESSURE:	Not Available
VAPOR DENSITY:	Not Available
SPECIFIC GRAVITY (H2O=1):	Approximately 1.02 at 25EC
APPARENT DENSITY:	Not Available
SOLUBILITY(IES):	Miscible in water
PARTITION COEFFICIENT (n-octanol/water):	Not Available
AUTO-IGNITION TEMPERATURE:	Not Available
DECOMPOSITION TEMPERATURE:	Not Available
VISCOSITY:	Not Available

SECTION 10

Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat, sparks and open flame

INCOMPATIBILITIES: May react with metals, such as sodium, magnesium, aluminum at elevated temperatures (above 425EC/797EF); may react upon prolonged exposure to fluorine or in oxygen-fluorine mixtures at high temperatures and pressures. Contact with incompatible materials, under these conditions, may result in fire or explosion.

HAZARDOUS POLYMERIZATION: Should not occur

HAZARDOUS DECOMPOSITION: Decomposition or by-products and toxic by-products including traces of hydrofluoric acid, perfluoroisobutylene, and carbonyl fluoride may be formed at very high temperatures. See other sections.

SECTION 11

Toxicological Information

ACUTE EFFECTS OF EXPOSURE

Ingestion: May be harmful if swallowed

Eye Contact: May cause mild irritation

Skin contact: May cause skin irritation

Inhalation: May cause respiratory irritation

CHRONIC EFFECTS OF EXPOSURE: No Data Available

ACUTE TOXICITY: No Data Available

SKIN CORROSION/IRRITATION: No Data Available

SERIOUS EYE DAMAGE/IRRITATION: No Data Available

RESPIRATORY OR SKIN SENSITIZATION: No Data Available

GERM CELL MUTAGENICITY: No Data Available

CARCINOGENICITY: None of the components in this material are listed by NTP,

OSHA or IARC.

REPRODUCTIVE TOXICITY: No Data Available

STOT-SINGLE EXPOSURE: No Data Available

STOT-REPEATED EXPOSURE: No Data Available

ASPIRATION HAZARD: Not applicable

SECTION 12

Ecological Information

BIODEGRADABILITY: No data

BIOACCUMULATION: No data

SECTION 13

Disposal Considerations

Comply with Federal, State and Local regulations concerning health and environment when disposing of materials. Regulations may also apply to empty containers, liners, or rinsate. **DO NOT INCINERATE** unless incinerator is capable of scrubbing hydrogen fluoride and other acidic combustion products.

SECTION 14

Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

U.S. DOT UN/ID Number: Not Regulated
Proper shipping name:
Hazard class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

IMO/IMDG UN/ID Number: Not Regulated
Proper shipping name:
Hazard class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

ICAO/IATA UN/ID Number: Not Regulated
Proper shipping name:
Hazard Class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

Canada (TDG) UN/ID Number: Not Regulated
Proper shipping name:
Hazard class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

Europe (ADR/RID) UN/ID Number: Not Regulated
Proper shipping name:
Hazard class:
Packing Group:

Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

SECTION 15 Regulatory Information

TSCA: All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

California Prop 65 None

Canada All components are listed on DSL

EINECS All components are in compliance with inventory listing in EINECS

REACH Polymer exemption

Other: State and local regulations may have specific requirements for this product or components of this product; consult specific state and local regulatory requirements for additional information.

SECTION 16 Other Information

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

ABBREVIATIONS:

NG="NOT GIVEN"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable