

PRODUCT NAME: ABRO Lemon Protect-All  
PRODUCT NUMBER/SIZE: PA-512 / 10 oz.

Rev Date: 05/01/2015

## 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: Plastic, Vinyl, Leather Protectant

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:** No GHS Hazard statements.

**Precautionary Phrases:** No GHS Precautionary statements.

**Response:** No GHS Response statements.

**Storage / Disposal:** No GHS Storage and Disposal statements.

**Other:** No specific information is available regarding the acute toxic effects of this material for humans. Inhalation: No known effect on inhalation. As part of good hygienic practices, avoid inhalation of mists or vapors from this product. Skin Contact: No known effect on skin contact. As part of good hygienic practices, avoid prolonged skin contact with this product. Eye Contact: May cause slight eye irritation. As part of good hygienic practices, avoid splashing this product into the eyes. Ingestion: No known effect from ingestion. Avoid ingestion of this product. Medical Conditions Generally Aggravated By Exposure: Repeated or prolonged exposure is not known to aggravate medical condition. OSHA Regulatory Status: This material is classified as not hazardous under OSHA regulations.

### SECTION 3 Composition/Information on Ingredients

<b>COMPONENTS</b>	<b>CAS Number</b>	<b>Percent by weight</b>
Water	7732-18-5	75.0-80.0 %
Dimethyl silicone emulsions	N/A	20.0 %
D-Sorbitol	50-70-4	3.0-4.0 %
Proprietary Fragrance	N/A	0.1 – 0.2 %
Magnesium nitrate	10377-60-3	< 0.001 %
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	< 0.001 %
2-Methyl-4-isothiazolin-3-one	2682-20-4	< 0.001 %
Ethylene oxide	75-21-8	< 0.001 %

### SECTION 4 First Aid Measures

#### Emergency and First Aid Procedures

##### In Case of Inhalation

If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately.

##### In Case of Skin Contact

Wash exposed area with plenty of water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. Seek medical attention if irritation persists.

##### In Case of Eye Contact

Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Seek medical attention if irritation persists.

##### In Case of Ingestion

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

##### Note to Physician

None.

##### Signs and Symptoms of Exposure

No specific information is available in our database regarding the acute toxic effects of this material for humans.

### SECTION 5 Fire Fighting Measures

**Flammability Classification:** Nonflammable Liquid

**Flash Pt:** NP

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** NP

##### Fire Fighting Instructions

Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals

**Flammable Properties and Hazards**

Static electricity is not expected to build up, and product is not sensitive to static.

**Hazardous Combustion Products**

Silicon dioxide, carbon oxides, trace amounts of formaldehyde may form when heated above 300°F.

**Suitable Extinguishing Media**

Use Carbon Dioxide or Dry Chemical on small fires. Use foam (alcohol, polymer or ordinary) and water spray for large fires.

**Unsuitable Extinguishing Media**

No data available.

**SECTION 6  
Accidental Release Measures**

**Steps To Be Taken In Case Material Is Released or Spilled**

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Protective Precautions, Protective Equipment and Emergency Procedures**

Wear appropriate PPE to prevent splashing to the eyes or prolonged contact with skin.

**Environmental Precautions**

No Data.

**SECTION 7  
Handling and Storage**

**Precautions to Be Taken in Handling**

No specific handling procedures are required. Practice good chemical hygiene practices and avoid exposure to the eyes, skin, and respiratory tract when using this product.

**Precautions to Be Taken in Storing**

Keep container closed and stored away from children. Prevent container from freezing.

**Other Precautions**

None

**SECTION 8  
Exposure Controls/Personal Protection**

Components	CAS #	OSHA PEL	ACGIH TLV	Other Limits
Water	7732-18-5	No data	No data	No data.
Dimethyl silicone emulsions	NA	No data.	No data.	No data.
D-Sorbitol	50-70-4	No data.	No data.	No data.
Proprietary Fragrance	NA	No data	No data	No data.
Magnesium nitrate	10377-60-3	No data.	No data.	No data.
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	No data	No data	No data.
2-Methyl-4-isothiazolin-3-one	2682-20-4	No data	No data	No data
Ethylene oxide	75-21-8	PEL: 1 ppm STEL: 5 ppm (15 min)	TLV: 1 ppm	No data

**Respiratory Equipment (Specify Type)**

Respiratory protection is not normally required when handling this product. Use approved organic vapor chemical cartridge or supplied air respirators when material produces vapors that exceed permissible limits or excessive vapors are generated. Observe respirator assigned protection factors (APFs) criteria cited in federal OSHA 1910.134.

**Eye Protection**

No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields.

**Protective Gloves**

No special skin protection is normally required. Neoprene, nitrile, polyvinyl alcohol (PVA), polyvinyl chloride and polyurethane gloves will help prevent skin contact.

**Other Protective Clothing**

No special protective clothing is normally required. Select protective clothing depending on industrial operations.

**Engineering Controls (Ventilation etc.)**

Use with adequate ventilation to prevent inhaling mists.

**Work/Hygienic/Maintenance Practices**

Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

**Environmental Exposure Controls**

No data.

**SECTION 9**  
**Physical and Chemical Properties**

<b>Physical States:</b>	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
<b>Melting Point:</b>	No data.
<b>Boiling Point:</b>	No data.
<b>Autoignition Pt:</b>	NP
<b>Flash Pt:</b>	NP
<b>Specific Gravity (Water = 1):</b>	8.39 - 8.53 at 70.0 F (21.1 C)
<b>Density:</b>	1.01 - 1.02 at 70.0 F (21.1 C)
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.
<b>Vapor Density (vs. Air = 1):</b>	No data.
<b>Evaporation Rate:</b>	No data.
<b>Solubility in Water:</b>	Soluble
<b>Percent Volatile:</b>	No data.
<b>VOC / Volume:</b>	No data
<b>Viscosity:</b>	No data
<b>pH:</b>	No data
<b>Appearance and Odor:</b>	Opaque white liquid with lemon/citrus odor.

**SECTION 10**  
**Stability and Reactivity**

**Stability:** Unstable  Stable

**Reactivity**

No data

**Conditions to Avoid - Instability**

Excessive heat, sources of ignition and open flames.

**Incompatibility - Materials to Avoid**

Strong oxidizers such as nitrates, perchlorates, chlorine, fluorine.

**Hazardous Decomposition or Byproducts**

Silicon dioxide, carbon oxides, trace amounts of formaldehyde may form when heated above 300°F.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions to Avoid - Hazardous Reactions**

Hazardous polymerization will not occur.

**SECTION 11  
Toxicological Information**

**Toxicological Information**

This material contains no ingredients at concentrations that would be considered hazardous.

CAS# 50-70-4: Acute toxicity, LD50, Oral, Rat, 15900. MG/KG.

Results: Effects on Newborn: Live birth index (# fetuses per litter; measured after birth).

Effects on Newborn: Growth statistics (e.g., reduced weight gain). - FAO Nutrition Meetings Report Series, Vol/p/yr: 53A,498, 1974

CAS# 26172-55-4:

Mutagenicity:, Mutation test: Mutation in microorganisms., 200.0 NG/PLAT, Bacteria - Salmonella typhimurium,.

Results: Behavioral: Analgesia. Lungs, Thorax, or Respiration:Dyspnea. Kidney, Ureter, Bladder:Hematuria.- Mutation Research., Elsevier Science Pub. B.V., POB 211, 1000 AE, Amsterdam Netherlands, Vol/p/yr: 118,129, 1983

**Chronic Toxicological Effects**

No Data Available.

**Irritation or Corrosion**

No Data Available.

**Symptoms related to Toxicological Characteristics**

No Data Available.

**Sensitization**

No Data Available.

**Carcinogenicity/Other Information**

This material contains no ingredients that are considered to be carcinogens.

Components	CAS #	NTP	IARC	ACGIH	OSHA
Water	7732-18-5	NA	NA	NA	NA
Dimethyl silicone emulsions	NA	NA	NA	NA	NA
D-Sorbitol	50-70-4	NA	NA	NA	NA

Proprietary Fragrance	NA	NA	NA	NA	NA
Magnesium nitrate	10377-60-3	NA	NA	NA	NA
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	NA	NA	NA	NA
2-Methyl-4-isothiazolin-3-one	2682-20-4	NA	NA	NA	NA
Ethylene oxide	75-21-8	Known	1	A2	Yes

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

## SECTION 12 Ecological Information

### General Ecological Information

This product is not considered to pose a risk to the environment. As part of good practices, it is advised to avoid the release of this product into the environment.

CAS# 50-70-4:

Effective concentration to 50% of test organisms., Inflated Duckweed (*Lemna gibba*), 149.0 MMOL/L, 7 D, Population, Water temperature: 27.50 C (81.5 F) C; Physiological Effects of Ethylene Glycol-Induced Cribiform Frond Structure in *Lemna gibba*, Thomas, D.A., 1998

CAS# 10377-60-3:

LC50, Nematode (*Caenorhabditis elegans*), 250.0 - 170.0 MMOL/L, 24 H, Mortality, Water temperature: 20.00 C (68.0 F) C; Use of Ion Characteristics to Predict Relative Toxicity of Mono-, Di- and Trivalent Metal Ions: *Caenorhabditis elegans*, Tataru, C.P., M.C. Newman, J.T. McCloskey, and P.L. Williams, 1998

CAS# 26172-55-4:

Effective concentration to 50% of test organisms., Water Flea (*Daphnia magna*), 1.300 PPM, 48 H, Intoxication,; Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)), Office of Pesticide Programs, 2000

CAS# 2682-20-4:

Effective concentration to 50% of test organisms., Water Flea (*Daphnia magna*), 0.180 PPM, 48 H, Intoxication,; Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)), Office of Pesticide Programs, 2000

CAS# 75-21-8:

LC50, Water Flea (*Daphnia magna*), 300000. UG/L, 24 H, Mortality; Environmental Fate and Effects of Ethylene Oxide, Conway, R.A., G.T. Waggy, M.H. Spiegel, and R.L. Berglund, 1983

### Results of PBT and vPvB assessment

No data available.

### Persistence and Degradability

No data available.

### Bioaccumulative Potential

No data available.

### Mobility in Soil

Will be absorbed into soil.

## SECTION 13 Disposal Considerations

### Waste Disposal Method

Follow all applicable federal, state, and local regulations governing the disposal of waste materials.

## 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.

<b>U.S. DOT</b>	UN/ID Number: Proper shipping name: Not Regulated Hazard class: Packing Group: Exceptions: Environmental Hazards: Transport in Bulk: Special Precautions:
<b>IMO/IMDG</b>	UN/ID Number: Proper shipping name: Not Regulated Hazard class: Packing Group: Exceptions: Environmental Hazards: Not Marine Pollutant Transport in Bulk: Special Precautions:
<b>ICAO/IATA</b>	UN/ID Number: Proper shipping name: Not Regulated Hazard Class: Packing Group: Exceptions: Environmental Hazards: Transport in Bulk: Special Precautions:
<b>Canada (TDG)</b>	UN/ID Number: Proper shipping name: Not Regulated Hazard class: Packing Group: Exceptions: Environmental Hazards: Transport in Bulk: Special Precautions:
<b>Europe (ADR)</b>	UN/ID Number: Not Regulated Proper Shipping Name: Tunnel Restriction Code:

## SECTION 15 Regulatory Information

### US EPA SARA Title III

Components	CAS #	Sec. 302 (EHS)	Sec. 304 RQ	Sec. 313 (TRI)	Sec. 110
Water	7732-18-5	No	No	No	No
Dimethyl silicone emulsions	NA	No	No	No	No
D-Sorbitol	50-70-4	No	No	No	No
Proprietary Fragrance	NA	No	No	No	No
Magnesium nitrate	10377-60-3	No	No	No	No
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	No	No	No	No
2-Methyl-4-isothiazolin-3-one	2682-20-4	No	No	No	No
Ethylene oxide	75-21-8	Yes 1000 LB	Yes 10 LB	Yes	No

### US EPA CAA, CWA, TSCA

Components	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
Water	7732-18-5	No	No	Inventory	No
Dimethyl silicone emulsions	NA	No	No	No	No
D-Sorbitol	50-70-4	No	No	Inventory	No
Proprietary Fragrance	NA	No	No	No	No
Magnesium nitrate	10377-60-3	No	No	Inventory	No
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	No	No	Inventory, 5A(2)	No
2-Methyl-4-isothiazolin-3-one	2682-20-4	No	No	Inventory, 5A(2)	No
Ethylene oxide	75-21-8	HAP	No	Inventory	Yes

### SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

**Sec.302:** EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. \* indicates 10000 LB TPQ if not volatile.

**Sec.304:** EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. \*\* indicates statutory RQ.

**Sec.313:** EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.

**Sec.110:** EPA SARA 110 Superfund Site Priority Contaminant List

### TSCA (Toxic Substances Control Act) Lists:

**Inventory:** Chemical Listed in the TSCA Inventory.

**5A (2):** Chemical Subject to Significant New Rules (SNURS)

**6A:** Commercial Chemical Control Rules

**8A:** Toxic Substances Subject To Information Rules on Production

**8A CAIR:** Comprehensive Assessment Information Rules - (CAIR)



**8A PAIR:** Preliminary Assessment Information Rules - (PAIR)  
**8C:** Records of Allegations of Significant Adverse Reactions  
**8D:** Health and Safety Data Reporting Rules  
**8D TERM:** Health and Safety Data Reporting Rule Terminations  
**12(b):** Notice of Export

**Other Important Lists:**

**CWA NPDES:** EPA Clean Water Act NPDES Permit Chemical  
**CAA HAP:** EPA Clean Air Act Hazardous Air Pollutant  
**CAA ODC:** EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)  
**CA PROP 65:** California Proposition 65

**International Regulatory Lists:**

**EPA Hazard Categories:**

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

- Yes  No Acute (immediate) Health Hazard
- Yes  No Chronic (delayed) Health Hazard
- Yes  No Fire Hazard
- Yes  No Sudden Release of Pressure Hazard
- Yes  No Reactive Hazard

**HMIS**

No Data

**NFPA**

No Data

**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"	BT="BETWEEN"
<="LESS THAN"	>="GREATER THAN"
ND = Not Determined	NA = Not Applicable