

PRODUCT NAME: ABRO Spray Lubricant
PRODUCT NUMBER/SIZE: AB-800-5R / 5 oz.

Revision Date: 10/31/2014

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: Spray lubricant
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

HMIS: Health 1 Flamm 4 React. 0 NFPA: Tox. 1 Flamm. 4 React. 0

Classification:

Extremely Flammable Aerosol Category 1
Eye irritation Category 2A
Specific Target Organ Toxicity (Single Exposure) – Category 3
Aspiration Hazard Category 1

Label Pictogram(s):



Signal Word: DANGER

Hazard Phrases: Extremely flammable aerosol. Pressurized container: may burst if heated
May be fatal if swallowed and enters airways. Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary Phrases: No smoking. Keep away from and do not spray on an open flame or other ignition source. Keep container tightly closed. Avoid breathing fumes. Do not pierce or burn, even after use. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection.

Response: IF SWALLOWED: Immediately call a doctor. Do NOT induce vomiting. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention. Call a doctor if exposed or you feel unwell. **IF ON SKIN:** Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Storage / Disposal:

Store locked up in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Dispose of contents/ container in compliance with local and federal regulations.

Other:

Keep out of reach of children. If medical advice is needed, have product container or label at hand. Read label before use.

SECTION 3

Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight
Petroleum Oil	64742-52-5	33 %
Mineral Spirits; Stoddard Solvent	8052-41-3	22 %
Ethyl Alcohol; Ethanol	64-17-5	19 %
Propane	74-98-6	13 %
Isopropanol	76-63-0	3 %
Petroleum Distillate	64742-47-8	2 %

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

SECTION 4

First Aid Measures

First Aid Measures

Immediate Medical Attention:	Provide general supportive measures and treat symptomatically. Keep victim under observation.
Eyes	Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.
Skin	Wipe off with towel. Wash with soap and water. Get medical attention if irritation persists.
Ingestion	DO NOT INDUCE VOMITING unless directed by a physician or poison control center. Get medical attention immediately.
Inhalation	Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

Signs & Symptoms Of Over Exposure: High concentrations of vapors may irritate nose and throat and cause symptoms of intoxication such as dizziness, nausea, headache or indigestion. Direct spray or vapors will irritate and may harm eyes.

Special Treatment: None.

SECTION 5 Fire Fighting Measures

Extinguishing media Foam, CO₂, Dry Chemical, Water Fog

Hazardous Combustion: Unknown

Protective Equipment and Precautions for firefighters: Water spray may be ineffective. Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles preferred.

Wear goggles and self-contained breathing apparatus.

Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can flash or explode if ignited. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.

Contents under pressure. Do not use near fire, sparks, or flame. Do not puncture or incinerate container. Exposure to temperatures above 120°F may cause container to burst.

Flammability per Flame Projection Test Not available.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Use with adequate ventilation equal to out of doors. Ventilation should be sufficient to prevent inhalation of solvent vapors. General dilution and local exhaust ventilation in volume or pattern to keep PEL/TLV of most ingredients below acceptable limits and LEL as stated in this document.

In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Eye washes and safety showers in the workplace are recommended.

Methods/materials for containment and cleanup: Clean up area with absorbent material and place in closed containers for disposal.

Environmental precautions: None.

SECTION 7 Handling and Storage

Precautions for Safe Handling

Use in cool, dry, well-ventilated areas. Vapors may cause flash fire. Keep away from heat, sparks and flame. Do not puncture or incinerate (burn) cans. Do not stick pin, nail or any other sharp object into opening on top of can. Do not spray in eyes. See product label for additional information.

Use with adequate ventilation. To prevent vapor build-up, open doors and windows or use an explosion-proof exhaust fan to ensure fresh air exchange during and after use. Do not breathe vapor, gas or spray mist. When using, do not eat, drink or smoke. Avoid contact with eyes, skin and clothing. Wear protective equipment. Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Empty containers retain product residues. Follow label warnings even after can is emptied.

Conditions for Safe Storage

Do not store in basements. Do not store at temperatures above 120°F. Keep out of reach of children.

SECTION 8 Exposure Controls/Personal Protection

Component	CAS #	OSHA PEL	ACGIH TLV
Petroleum Oil	64742-52-5	5 mg/m ³ Oil Mist	Not available.
Mineral Spirits; Stoddard Solvent	8052-41-3	100 ppm	100 ppm
Ethyl Alcohol; Ethanol	64-17-5	1000 ppm	1000 ppm
Propane	74-98-6	400 ppm	400 ppm
Isopropanol	76-63-0	400 ppm	200 ppm
Petroleum Distillate	64742-47-8	1000 ppm	Asphyxiant

Engineering Controls: Maintain adequate ventilation as described in section 7

Personal Protective Equipment:

Skin Solvent resistant gloves are required for prolonged or repeated contact. Use of solvent resistant aprons or other clothing is recommended.

Eyes Use of safety glasses with splash guards or full face shield is recommended.

Respiratory In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined

areas, use approved air line type respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

SECTION 9 Physical and Chemical Properties

Appearance and Physical State:	Aerosol
Odor:	Not Available.
Odor Threshold:	Not Available.
pH:	Not Applicable.
Melting Point/Freezing Point:	Not Available.
Initial boiling point & boiling range:	Between – 44 F and 500 F
Flash Point:	- 156 F (estimated)
Evaporation rate:	Slower than ether
Flammability (solid, gas)	Not Available.
Upper/lower flammability or explosive limits	0.7 (lower) 20 (upper)
Vapor pressure	Not Available.
Vapor density	Heavier than air.
Relative density / Specific gravity	0.77
Solubility	Water: Nil
Partition Coefficient n-Octanol/Water	Not Available.
Auto-ignition Temperature:	Not Available.
Decomposition Temperature:	Not Available.
Viscosity:	Not Available.
%-VOC Content:	Not Available.
CARB VOC Category/Standard (%)	Not Available.
OTC Model Rule Category/Standard (%)	Not Available.
US EPA Cons Prod Category/Standard (%)	Not Available.

SECTION 10 Stability and Reactivity

Reactivity	Product is non-reactive under normal conditions of use.
Chemical Stability:	Product is stable
Possibility of hazardous reactions:	None known.
Conditions to avoid (e.g. static discharge, shock or vibration):	Application to hot surfaces. Storage above 120 F. Exposure to open flames.
Incompatibilities:	Strong oxidizing agents.
Hazardous decomposition products:	May produce fumes when heated to decomposition. Fumes may contain carbon monoxide and other toxic fumes

Hazardous polymerization:

Will not occur

SECTION 11 Toxicological Information

Likely Routes of Exposure:	Skin or eye contact and inhalation
Symptoms:	
Delayed and Immediate Effects:	No information available.
Chronic Effects:	No information available.
Toxicity Measures:	No information available.
NTP Carcinogen:	No.
IARC Carcinogen:	No.
OSHA Carcinogen:	No.

SECTION 12 Ecological Information

Ecotoxicity:	No information available.
Persistence and Degradability:	No information available.
Bioaccumulation Potential:	No information available.
Mobility in Soil:	No information available.
Other Adverse Effects:	No information available.

SECTION 13 Disposal Considerations

Storage and Disposal	Do not store at temperatures above 120°F. Do not store in basements. Keep out of reach of children.
Waste Disposal Method:	Dispose of in accordance with all applicable local, state and federal regulations. Before attempting clean up, refer to other sections of this SDS for hazard caution information.

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:	UN1950
	Proper shipping name:	Aerosols

Hazard class:	2.1
Packing Group:	None
Exceptions:	May be shipped as a limited quantity or consumer commodity
Environmental Hazards:	No
Transport in Bulk:	Not Applicable.
Special Precautions:	ERG#126 (no toxic subrisk for domestic shipments (MeOH))

IMO/IMDG	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols
	Hazard class:	2.1
	Packing Group:	None
	Exceptions:	May be shipped as a limited quantity
	Environmental Hazards:	No
	Transport in Bulk:	Not Applicable
Special Precautions:	EmS F-D, S-U	

ICAO/IATA	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols, flammable
	Hazard Class:	2.1
	Packing Group:	None
	Exceptions:	May be shipped as a limited quantity or reclassified as ID8000
	Environmental Hazards:	No
	Transport in Bulk:	Not Applicable
Special Precautions:	None	

Canada (TDG)	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols
	Hazard class:	2.1
	Packing Group:	None
	Exceptions:	May be shipped as a limited quantity
	Environmental Hazards:	No
	Transport in Bulk:	Not Applicable
Special Precautions:	ERG#126	

SECTION 15

Regulatory Information

All ingredients are either listed on the TSCA Inventory or are exempt.

SECTION 16

Other Information

We believe all information given is accurate. It is offered in good faith but without guarantee. Since conditions of use are beyond our control, user assumes all responsibility and risk.

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