

PRODUCT NAME: ABRO Silicone Spray Lubricant
PRODUCT NUMBER/SIZE: SL-900-R

Revision Date: 10/29/2014

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: Silicone 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:

Aerosol (Category 1)
Skin irritation (Category 2)
Carcinogenicity (Category 1B)
Mutagenicity (Category 1B)
Specific target organ toxicity - single exposure (Category 3) CNS
Aspiration hazard (Category 1)

Label Pictogram(s):



Signal Word: DANGER

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

Precautionary Phrases: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from and do not spray on open flames or other sources of ignition. No smoking. Keep container tightly closed.

Do not pierce or burn, even after use. Avoid breathing fumes and spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves.

Response: IF SWALLOWED: Do not induce vomiting. Immediately call a POSION CENTER or doctor. IF ON SKIN: Take off contaminated clothing and wash it before reuse. Contaminated work clothing must not be allowed out of the workplace. Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned or if you feel unwell, call a doctor immediately and get medical attention. If skin irritation or a rash occurs, discontinue using this product.

Storage / Disposal: Store in a well-ventilated place, keep container tightly closed and locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Dispose of contents/ container in accordance with local and national regulations.

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

**SECTION 3
Composition/Information on Ingredients**

COMPONENTS	CAS Number	OSHA PEL	ACGIH TLV	Percent by weight
** n-Heptane	142-82-5	500 ppm	400 ppm	72 %
Liquefied Petroleum Gas	68476-86-8	Unknown	1000 ppm (Propane) 800 ppm (Butane)	23 %
Polydimethylsiloxane	63148-92-5	Unknown	Unknown	5 %

** Indicates ingredients that are subject to the reporting requirements of Section 313 of EPCRA and 40 CFR 372. Components of a blended material regulated under section 313 of SARA.

**SECTION 4
First Aid Measures**

First Aid Measures

Immediate Medical Attention:	Treat symptomatically. Remove victim to fresh air.
Eyes	Move victim away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.
Skin	Remove contaminated clothing. Flush exposed area with large amounts of water. Seek medical attention. Launder clothing before reuse.
Ingestion	Seek medical attention. Do not give anything by mouth; Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting.

Inhalation	Move victim away from exposure and into fresh air. Seek immediate medical attention; If person is not breathing, begin artificial respiration.
Signs & Symptoms Of Over Exposure:	Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. May cause mild eye irritation. Symptoms include stinging, tearing, and redness. May cause mild skin irritation. Symptoms may include redness and burning of skin. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage. Swallowing small amounts during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury. Intentional misuse by deliberately concentrating and inhaling the contents of this product may be harmful or fatal.
Special Treatment:	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5 Fire Fighting Measures

Extinguishing media	Dry chemical, CO ₂ , Water spray, Foam
Hazardous Combustion:	Fumes, smoke, CO and other asphyxiants
Protective Equipment and Precautions for firefighters:	Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point. Never use welding or cutting torch near area of use because product can ignite explosively. Wear full firefighting turn-out gear and respiratory protection. Water may be ineffective for extinguishment unless used under favorable conditions by experienced fire fighters. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Keep containers cool to avoid bursting containers Contents under pressure. Do not expose to temperatures exceeding 120° F as containers may vent, rupture or burst.
Flammability per Flame Projection Test	EXTREMELY FLAMMABLE

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Maintain adequate ventilation. Use respirator as a last resort to control exposure. Wear safety glasses or goggles to prevent eye contact. If skin contact causes irritation, wear chemical resistant gloves.
Methods/materials for containment and cleanup:	Absorb spill with inert material then place in a chemical waste container. Dispose of spill material in accordance with local, state or federal regulations.

Environmental precautions: Not required.

SECTION 7 Handling and Storage

Precautions for Safe Handling DANGER! EXTREMELY FLAMMABLE. VAPOR HARMFUL. Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks, sources of ignition and open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

Conditions for Safe Storage Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container. Do not store in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible materials. Store in accordance with NFPA 30B for Level 3 Aerosols.

SECTION 8 Exposure Controls/Personal Protection

COMPONENTS	CAS Number	OSHA PEL	ACGIH TLV
** n-Heptane	142-82-5	500 ppm	400 ppm
Liquefied Petroleum Gas	68476-86-8	Unknown	1000 ppm (Propane) 800 ppm (Butane)
Polydimethylsiloxane	63148-92-5	Unknown	Unknown

Engineering Controls: Maintain adequate ventilation.

Personal Protective Equipment:

Skin Wear CHEMICAL RESISTANT GLOVES if repeated skin contact occurs or causes irritation.
Eyes Wear SAFETY GLASSES or GOGGLES to prevent eye contact
Respiratory Use respirator only as a last resort to control exposure.

SECTION 9 Physical and Chemical Properties

Appearance and Physical State: Colorless, clear liquid mixture packaged in pressurized aerosol spray can.
Odor: Hydrocarbon odor
Odor Threshold: Not Available.
pH: Not Available
Melting Point/Freezing Point: Not Available
Initial boiling point & boiling range: Greater than 100 °F
Flash Point: Unknown
Evaporation rate: Greater than 1.0 (BuAc=1)

Flammability (solid, gas)	Not Available.
Upper/lower flammability or explosive limits	Not Available
Vapor pressure	Not Available.
Vapor density	Not Available.
Relative density / Specific gravity	0.660 – 0.760 g/mL (concentrate)
Solubility	Insoluble
Partition Coefficient n-Octanol/Water	Not Available.
Auto-ignition Temperature:	Not Available.
Decomposition Temperature:	Not Available.
Viscosity:	Not Available.
%-VOC Content:	94.48 %
CARB VOC Category/Standard(%)	EXPORT
OTC Model Rule Category/Standard(%)	EXPORT
US EPA Cons Prod Category/Standard(%)	EXPORT

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):	Heat, sparks, open flames and temperatures above 120°F
Incompatibilities:	Strong oxidizers
Hazardous decomposition products:	Fumes, smoke, CO and other asphyxiants
Hazardous polymerization:	Will not occur

SECTION 11 Toxicological Information

Likely Routes of Exposure:	Inhalation, eye/skin contact.
Symptoms:	Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. May cause mild eye irritation. Symptoms include stinging, tearing, and redness. May cause mild skin irritation. Symptoms may include redness and burning of skin. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage. Swallowing small amounts during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury. Intentional misuse by deliberately concentrating and inhaling the contents of this product may be harmful or fatal.

Delayed and Immediate Effects:	Not Available.
Chronic Effects:	Not Available.
Toxicity Measures:	HEPTANE , Branched, Cyclic and Linear: ORAL LD50: >5g/kg(similar materials) DERMAL LD50: >2g.kg(similar material) INHALATION LC50: 65-103g/m ³ /4hr. rat (similar material) n-HEPTANE: ORAL LD50: 17.0g/kg (Rat) DERMAL LD50: 3400mg/kg, rabbit INHALATION LC50: 65-103g/m ³ (4-hr., Rat)
Chronic Effects:	No data available
NTP Carcinogen:	No
IARC Carcinogen:	No
OSHA Carcinogen:	No.

SECTION 12 Ecological Information

Ecotoxicity:	HEPTANE If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming.
Persistence and Degradability:	No data available.
Bioaccumulation Potential:	No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	No data available.

SECTION 13 Disposal Considerations

Storage and Disposal	Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container. Do not store in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible materials. Store in accordance with NFPA 30B for Level 3 Aerosols.
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Waste Disposal Method: Do not dispose of this product in drains or storm sewers. Do not dispose of this product in a landfill without prior solidification. The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations.

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:	None
	Transport in Bulk:	Not Applicable.
	Special Precautions:	ERG#126
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:	None
	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 consumer commodity
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable
	Special Precautions:	None
Canada (TDG)	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols, flammable
	Hazard class:	2.1
	Packing Group:	None
	Exceptions:	May be reclassified as a limited quantity.
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable
	Special Precautions:	ERG#126

SECTION 15 Regulatory Information

This product is considered to be hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

U. S. Toxic Substance Control Act (TSCA): All components of this product are listed or are not regulated U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

Proposition 65 – California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

Sara Title III: CERCLA: YES

TSCA INVENTORY: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

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