

H1BAK1741 Super Lube for Open Gears 1366

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MATERIAL SAFETY DATA SHEET

Effective Date: 6-6-02

Revision Date: none

Super Lube for Open Gears

Code: SD

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Section 1 - Product and Company Identification

PRODUCT NAME: Super Lube for Open Gears

MANUFACTURER'S NAME: EMERGENCY TELEPHONE

NUMBER

Specialty Division, Sprayon Products (216)566-2917

26300 Fargo Avenue

Bedford Heights, OH 44146 MISCELLANEOUS

INFORMATION

(800)832-2541

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Section 2 - Hazardous Ingredients

% by WT CAS No. INGREDIENT UNITS VAPOR PRESSURE

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20	74-98-6	Propane	ACGIH TLV 2500 ppm 760mm
			OSHA PEL 1000 ppm
20	106-97-8	Butane	ACGIH TLV 800 ppm 760mm
			OSHA PEL 800 ppm
15	142-82-5	Heptane	ACGIH TLV 400 ppm 50mm
			ACGIH TLV 500 ppm STEL
			OSHA PEL 400 ppm
			OSHA PEL 500 ppm STEL
9	64741-89-5	Paraffin Oil	ACGIH TLV 5 mg/m3 as Mist
			OSHA PEL 5 mg/m3 as Mist
36	8052-42-4	Asphalt (Petroleum).	ACGIH TLV Not Available
			OSHA PEL Not Available

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Section 3 - Hazards Identification

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

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SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

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Section 4 - First Aid Measures

If INHALED: If affected, remove from exposure. Restore breathing.

Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED: Do not induce vomiting.

Get medical attention immediately.

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Section 5 - Firefighting Measures

FLASH POINT LEL UEL

Propellant < 0 F 1.1 10.0

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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Section 6 - Environmental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.

Remove with inert absorbent.

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Section 7 - Handling and Storage

STORAGE CATEGORY

NFPA 30B Level 3 Aerosol

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

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Section 8 - Exposure Controls/Personal Protection

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to<sup>al</sup> OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

PROTECTIVE GLOVES

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

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EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

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Section 9 - Physical and Chemical Properties

PRODUCT WEIGHT 5.66 lb/gal 677 g/l

SPECIFIC GRAVITY 0.68

BOILING POINT <0 - 212 F <-18 - 100 C

MELTING POINT Not Available

VOLATILE VOLUME 65 %

EVAPORATION RATE Faster than ether

VAPOR DENSITY Heavier than air

SOLUBILITY IN WATER N.A.

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)

Volatile Weight 55.00 % Less Federally Exempt Solvents

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Section 10 - Stability and Reactivity

STABILITY -- Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

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Section 11 - Toxicological Information

CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Some animal studies with poor controls have indicated that Bitumens (Asphalt) cause tumors, however, there is inadequate evidence that Bitumens alone are carcinogenic to humans. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

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TOXICOLOGY DATA

CAS No.	Ingredient Name	
74-98-6	Propane	LC50 RAT 4HR Not Available LD50 RAT Not Available
106-97-8	Butane	LC50 RAT 4HR Not Available LD50 RAT Not Available
142-82-5	Heptane	LC50 RAT 4HR Not Available LD50 RAT Not Available
64741-89-5	Paraffin Oil	LC50 RAT 4HR Not Available LD50 RAT Not Available
8052-42-4	Asphalt (Petroleum)	LC50 RAT 4HR Not Available LD50 RAT Not Available

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Section 12 - Ecological Information

No data available.

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Section 13 - Disposal Considerations

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

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Section 14 - Transport Information

No data available.

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Section 15 - Regulatory Information

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No. CHEMICAL/COMPOUND % by WT %

Element

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No ingredients in this product are subject to SARA 313 (40 CFR 372.65C)

Supplier Notification.

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

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Section 16 - Other Information

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.