

Issuing date 17-Jan-2015

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Version 1.04

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product identifier****Product name** 80-927 LUBRI-FAST 2 PENETRATING GREASE**Recommended use of the chemical and restrictions on use****Product code** F02369**Product Type** Extremely Flammable Aerosol  
**Synonyms** None**Supplier's details****Recommended Use** Penetrating Lubricant.**Uses advised against** **No information available****Manufactured For:**  
Kimball Midwest  
4800 Roberts Rd.  
Columbus, OH 43228  
800-233-1294**Emergency telephone number**  
**Chemical Emergency Phone Number** CHEMTREC : 1-800-424-9300  
**Company Emergency Phone Number** 1-800-233-1294

**2. HAZARDS IDENTIFICATION**

**Classification**

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable Aerosols	Category 1
Gases under pressure	Compressed Gas

**GHS Label elements, including precautionary statements**

**Emergency Overview**

**DANGER**

**Hazard Statements**  
 Causes skin irritation.  
 Causes serious eye irritation.  
 May cause drowsiness or dizziness.  
 May be fatal if swallowed and enters airways.  
 Extremely Flammable Aerosol  
 Contains gas under pressure; may explode if heated



**Appearance** Opaque                      **Physical state** Aerosol                      **Odor** Solvent

**Precautionary Statements - Prevention**

- Wash face, hands and any exposed skin thoroughly after handling.
- Wear protective gloves, eye protection, face protection.
- Avoid breathing fumes, gas, mist, vapors, spray.
- Use only outdoors or in a well-ventilated area.
- Keep away from heat, sparks, open flames, hot surfaces - No smoking.
- Do not spray on an open flame or other ignition source.
- Pressurized container: Do not pierce or burn, even after use.

**Precautionary Statements - Response**

- 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 advice, attention
- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice, attention.
- Take off contaminated clothing and wash it before reuse.
- IF INHALED : Remove person to fresh air and keep comfortable for breathing.
- Call a POISON CENTER or doctor, physician if you feel unwell.
- IF SWALLOWED: Immediately call a POISON CENTER, doctor, physician.
- Do NOT induce vomiting.

**Precautionary Statements - Storage**

- Store locked up.

Store in a well-ventilated place. Keep container tightly closed.  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Precautionary Statements - Disposal**

Dispose of contents, container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC)**

None

**Other information**

0% of the mixture consists of ingredient(s) of unknown toxicity.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %*
HEPTANE	64742-49-0	20-30
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	10-20
ACETONE	67-64-1	10-20

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First aid measures for different exposure routes**

- General advice** Avoid contact with eyes, skin, and clothing.
- Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation persists.
- Skin contact** Wash off immediately with plenty of water. Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.
- Inhalation** Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.
- Ingestion** Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to unconscious person. Risk of product entering the lungs on vomiting after ingestion.

**Most important symptoms/effects, acute and delayed**

**Main Symptoms** Causes eye and skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Water fog. Dry chemical. Carbon dioxide (CO2). Cool containers / tanks with water spray.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

Extremely Flammable / Flammable. Keep product and empty container away from heat and sources of ignition.

**Explosion Data**

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge Yes.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers. In the event of fire and/or explosion do not breathe fumes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use with adequate ventilation to keep the exposure levels below the OELS.

**Environmental precautions**

**Environmental precautions** Vapors can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Report spills as required by local and federal regulations.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Absorb with earth, sand, or other non-combustible material and transfer to containers . Prevent further leakage if safe to do so.

**Methods for cleaning up** Soak up with inert absorbent material. Contain liquid and collect with an inter, non-combustible material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly . After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Avoid skin contact. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.

**Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

**Incompatible products** Strong acids, alkali , or oxidizing agents.

**Aerosol Level** 2

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
HEPTANE	TLV: 400 ppm	TWA: 500 ppm	-

64742-49-0 PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	STEL: 500 ppm 74-98-6: TWA: 1000 ppm 106-97-8: STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6:TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> 106-97-8: (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	74-98-6:IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> 106-97-8:TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup> 75-28-5:TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
RESIDUAL OILS,PETROLEUM, 64742-01-4	5mg/m <sup>3</sup> (oil mist) TWA	5mg/m <sup>3</sup> (oil mist) TWA	-
ACETONE 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors. (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
XYLENE 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m <sup>3</sup>	Not Established

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

**Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Exposure controls**

**Engineering Measures**

Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**

Safety glasses with side-shields. Tightly fitting safety goggles.

**Skin and body protection**

Chemical resistant apron. Protective gloves.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and chemical properties**

**Physical state**

Aerosol

**Appearance**

Opaque

**Color**

Red

**Odor**

Solvent

**Odor Threshold**

**Property**

**Values**

**Remarks • Methods**

**pH**

No information available

**Melting/freezing point**

No information available

<b>Boiling point/boiling range</b>		
<b>Flash Point</b>	-104.4 °C / -156 °F	Based on propellant
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
upper flammability limit		
lower flammability limit		
<b>Vapor pressure</b>		
<b>Vapor density</b>		
<b>Specific Gravity</b>	0.756	
<b>Water solubility</b>	Practically insoluble	
<b>Partition coefficient: n-octanol/water</b>		
<b>Autoignition temperature</b>	No information available	Not applicable
<b>Decomposition temperature</b>		
<b>Viscosity</b>	No information available	
<b>Explosive properties</b>		

**Other information**

VOC Content(%) 48.73

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Heat, flames and sparks.

**Incompatible Materials**

Strong acids, alkali , or oxidizing agents.

**Hazardous Decomposition Products**

Carbon oxides , Hydrocarbons, Fumes.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	Avoid inhaling vapors or mists. Harmful if inhaled. May cause irritation to respiratory system.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Causes skin irritation.
<b>Ingestion</b>	Harmful and may be fatal if swallowed and enters airways.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
HEPTANE 64742-49-0	> 5000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 73680 ppm ( Rat ) 4 h

ACETONE 67-64-1	= 5800 mg/kg ( Rat )	> 15700 mg/kg ( Rabbit )	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
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**Information on toxicological effects**

**Symptoms** Causes skin and eye irritation. May cause respiratory irritation. May cause drowsiness and dizziness. Harmful and may be fatal if ingested and enters airways.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Causes skin irritation.  
**Eye damage/irritation** Irritating to eyes.  
**Irritation** Causes skin and eye irritation. May cause respiratory irritation.  
**Sensitization** No information available.  
**Germ cell mutagenicity** There are no known mutagenic chemicals in this product.  
**Carcinogenicity** No components of this product are found to be carcinogens by NTP, IARC, or OSHA.  
*ACGIH: (American Conference of Governmental Industrial Hygienists)*  
*A2 - Suspected Human Carcinogen*  
*NTP: (National Toxicity Program)*  
*Known - Known Carcinogen*

**Reproductive toxicity** The ingredients are not reproductive hazards.  
**Specific target organ systemic toxicity (single exposure)** May cause drowsiness and dizziness.  
**Specific target organ systemic toxicity (repeated exposure)** No information available.  
**Chronic toxicity** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.  
**Target Organ Effects** Skin, Eyes, Respiratory System, and Central Nervous System.  
**Aspiration hazard** May be fatal if swallowed and enters airways.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.  
 The following values are calculated based on chapter 3.1 of the GHS document .  
**ATEmix (oral)** 6879 mg/kg  
**ATEmix (dermal)** 6016 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
HEPTANE 64742-49-0	-	8.41 mg/L LC50 Oncorhynchus mykiss 96h semi-static, closed	-	-
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	-	-	-	-
ACETONE 67-64-1	-	4.74 - 6.33 mL/L LC50 Oncorhynchus mykiss 96h 6210 - 8120 mg/L LC50 Pimephales promelas 96h static 8300 mg/L LC50 Lepomis macrochirus 96h	-	10294 - 17704 mg/L EC50 Daphnia magna 48h Static 12600 - 12700 mg/L EC50 Daphnia magna 48h

**Persistence and degradability**

**Bioaccumulation**

Chemical Name	log Pow
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	2.8
ACETONE 67-64-1	-0.24

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations.

**Contaminated packaging** Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT Ground** LIMITED QUANTITY

**IATA** UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD .QTY.

**IMDG** UN1950, AEROSOLS, 2.1, LTD.QTY

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
HEPTANE	X	X	X	Not listed	X	X	X	X
PROPANE/ISOBUTANE/N-BUTANE	X	X	X	x	X	X	X	X
ACETONE	X	X	X	X	X	X	X	X

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- CHINA - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Star Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
ACETONE 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**U.S. State Regulations**

**California Proposition 65**

This product does not contain chemical(s) known to the State of California to cause cancer, birth defects, or other reproductive harm.

No warning is required.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ACETONE 67-64-1	X	X	X
Naphthenic acids, zinc salts 12001-85-3	X		X
NAPHTHENIC ACIDS 1338-24-5	X	X	X
Zinc ethylhexanoate 136-53-8	X		X
ZINC DIALKYL DITHIOPHOSPHATE 68457-79-4	X		X
XYLENE 1330-20-7	X	X	X
AMMONIUM HYDROXIDE 1336-21-6	X	X	X

**EPA Pesticide Registration Number** Not applicable

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

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<b>NFPA</b>	<b>Health Hazard 2</b>	<b>Flammability 4</b>	<b>Instability 0</b>	<b>Physical and chemical hazards -</b>
<b>HMIS</b>	<b>Health Hazard 2*</b>	<b>Flammability 4</b>	<b>Physical Hazard 1</b>	<b>Personal protection B</b>
<i>Chronic Hazard Star Legend</i>		<i>Chronic Health Hazard/ Repeated or prolonged exposure may cause central nervous system damage</i>		

**Prepared By** Regulatory Affairs  
**Issuing date** 17-Jan-2015  
**Revision Date** 11-Apr-2022

**Revision Note**  
(M)SDS sections updated 3 9 11 14 15

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**