

SAFETY DATA SHEET PREMALUBE RED

Supercedes Date: 03/17/2023

Issuing Date: 08/21/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PREMALUBE RED
Recommended use: Lubricant
Information on Manufacturer:
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code: 5420
Chemical nature: Petroleum distillates
Emergency Telephone:
CHEMTRAC® 800-424-9300
Telephone inquiry:
972-579-2477

2. HAZARD IDENTIFICATION

Color: Red
Appearance: Opaque

Physical state: Liquid

Odor: Petroleum distillates

GHS
Classification
Physical Hazards

Flammable aerosols
Gases under pressure

Category 1
Compressed gas

Health Hazard
Skin corrosion/irritation
Serious eye damage/eye irritation
Specific target organ toxicity (single exposure)

Category 2
Category 2A
Category 3

Hazards not otherwise classified (HNOC)
Not applied

Labeling
Signal word
Danger



Hazard statements

Extremely flammable aerosol
Causes skin irritation
Causes serious eye irritation
May cause drowsiness or dizziness
Contains gas under pressure; may explode if heated

Precautionary statements

Keep away from heat, sparks, open flames or hot surfaces.
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use
Avoid breathing vapors, mist, or gas.
Use in a well-ventilated area.
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves, protective clothing and eye protection.
Do not eat, drink or smoke when using this product
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical attention. Take off contaminated clothing and wash it before reuse.
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 INHALED: Remove person to fresh air and keep comfortable for breathing. Call a physician if unwell.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
Protect from sunlight
Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Heptane (n-)	142-82-5	15-40
1,1-Difluoroethane	75-37-6	10-30

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

4. FIRST AID MEASURES

General advice	Show this safety data sheet to the doctor in attendance.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin contact	In case of contact with liquefied gas, thaw frosted parts with lukewarm water. Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed

Symptoms	May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Flash Point 71.6 °F / 22 °C	Method Seta closed cup	
Flammability Limits in Air %: Mixture.	Upper flammability limit: 36	Lower flammability limit: 1.05
Suitable Extinguishing Media		
Foam. Carbon dioxide (CO ₂). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Specific hazards arising from the chemical		
Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions. Flame conditions. Flame extension: >30 inches / >76 cm and Burnback: 3 inch / 7 cm.		
Protective Equipment and Precautions for Firefighters		
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.		
Aerosol Level (NFPA 30B) -	3	
NFPA	Health hazards 2	Flammability 4
HMIS	Health hazards 2	Flammability 4
		Stability 0
		Physical Hazard 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental precautions	Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent further leakage or spillage if safe to do so.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Keep away from flames and hot surfaces. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated

Storage Temperature	place. Keep away from heat and sources of ignition.			
Storage Conditions	Minimum Indoor	35 °F / 2 °C X	Maximum Heated	120 °F / 49 °C Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical name	CAL/OSHA PEL	ACGIH TLV	OSHA PEL	NIOSH
Heptane (n-)	400 ppm	TWA: 400 ppm STEL: 500 ppm	TWA: 500 ppm TWA: 2000 mg/m ³	750 ppm Ceiling: 440 ppm Ceiling: 1800 mg/m ³ TWA: 85 ppm TWA: 350 mg/m ³

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles.

Skin Protection

Wear suitable protective clothing, Impervious gloves.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Kinematic viscosity	No data available
Color	Red	Odor	Petroleum distillates
Odor threshold	Not applicable	Appearance	Opaque
pH	Not applied	Specific Gravity	0.875
Evaporation Rate	4.4 (Butyl acetate=1)	Percent Volatile (Volume)	30.5
VOC content	24.5	VOC Content (g/L)	214
Product VP (mmHg @ 70°F)	1594.98	Relative vapor density	2.7 2.7 (air = 1)
Solubility(ies)	Negligible	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition temperature	No data available
Boiling Point/Range	No information available	Flammability (solid, gas)	No data available
Flash Point	71.6 °F / 22 °C	Method	Seta closed cup
Autoignition Temperature	No information available	Upper flammability limit: 36 Lower flammability limit: 1.05	
Flammability Limits in Air %:	Mixture		

10. STABILITY AND REACTIVITY

Chemical Stability Conditions to Avoid

Stable. Hazardous polymerization does not occur.
Keep away from open flames, hot surfaces, and sources of ignition, Protect from direct sunlight and extremes of temperatures.

Incompatible Products

Strong oxidizing agents, Reducing agents, Acids, Bases.

Decomposition temperature

No data available

Hazardous decomposition products

Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Aldehydes, Ammonia, Amines, Organic acids, Hydrocarbons, Smoke.

Possibility of Hazardous Reactions

None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)

No information available

ATEmix (dermal)

No information available

Inhalation LC50

ATEmix (inhalation-gas)	No information available
ATEmix (inhalation-dust/mist)	No information available
ATEmix (inhalation-vapor)	No information available

Principle Route of Exposure

Eye contact, Skin contact, Inhalation.

Primary Routes of Entry

Skin contact, Skin Absorption.

Acute Effects:

Eyes	Causes serious eye irritation.
Skin	Causes skin irritation.

Inhalation	Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Irregular cardiac activity.				
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.				
Chronic toxicity	Repeated and prolonged exposure to solvents may cause brain and nervous system damage. May cause irregular heartbeats, especially under conditions of stress.				
Target organ effects	Central nervous system, Skin, Eyes, Respiratory system.				
Aggravated Medical Conditions	Neurological disorders, Respiratory disorders, Skin disorders.				

Component Information**Acute Toxicity**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Others
Heptane (n-) 142-82-5	> 5000 mg/kg (Rat)	3000 mg/kg (Rabbit)	103 g/m ³ (Rat)4h	No data available	No data available
1,1-Difluoroethane 75-37-6	Data lacking	No information available	= 437500 ppm (Rat) 4 h	No data available	No data available

Chronic Toxicity

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Heptane (n-) 142-82-5	No data available	No data available	No data available	No data available	Skin Central Nervous System Respiratory system

Carcinogenicity

Contains no ingredient listed as a carcinogen

12. ECOLOGICAL INFORMATION

Product Information No information available

Persistence and Degradability**Bioaccumulation****Mobility****Additional Ecological Information:****Component Information**

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to microorganisms	Crustacea	Partition coefficient
Heptane (n-)	No information available	LC50 = 375.0 mg/L Cichlid fish 96 h	No information available	No information available	4.66

Persistence and degradability**Bioaccumulation****Mobility****13. DISPOSAL CONSIDERATIONS****Product Disposal**
Container DisposalDispose of in accordance with local regulations.
Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.**14. TRANSPORT INFORMATION****DOT**

Proper shipping name	AEROSOLS, FLAMMABLE
Transport hazard class(es)	2.1
UN number or ID number	UN1950
Description	UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY

TDG

UN proper shipping name	AEROSOLS, FLAMMABLE
Transport hazard class(es)	2.1
UN number or ID number	UN1950
Description	UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY

ICAO (air)

UN number or ID number	UN1950
UN proper shipping name	AEROSOLS, FLAMMABLE
Transport hazard class(es)	2.1
Description	UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY
IATA	
UN number or ID number	UN1950
UN proper shipping name	AEROSOLS, FLAMMABLE
Transport hazard class(es)	2.1
ERG-Code	10L
Description	UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY
IMDG	
UN proper shipping name	AEROSOLS
Transport hazard class(es)	2.1
UN number or ID number	UN1950
EmS-No	F-D, S-U
Description	UN1950, AEROSOLS, 2.1, LTD QTY

15. REGULATORY INFORMATION

Inventories

TSCA	Listed
DSL/NDSL	Listed
NOTE:	One or more components are listed on the NDSL.

US 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

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

16. OTHER INFORMATION

Prepared By	Adrienne McKee
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Revision Note	No information available
Glossary	No information available
List of References.	No information available

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