

Safety Data Sheet: MAXI-LUBE RED

Supersedes Date Not applicable

Issuing Date 02/20/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MAXI-LUBE RED
Recommended use Lubricant
Information on Manufacturer
CHEMSEARCH DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

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

2. HAZARD IDENTIFICATION

Color Red

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
Reproductive Toxicity
Specific target organ systemic toxicity (single exposure)

Category 2
Category 2A
Category 2
Category 2

Other hazards

None

Labeling

Signal Word

DANGER



Hazard Statements

H222 - Extremely flammable aerosol
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H371 - May cause damage to organs
H361 - Suspected of damaging fertility or the unborn child
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements

P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P280 - Wear protective gloves, protective clothing and eye protection.
P260 - Do not breathe vapor, gas or mist
P270 - Do not eat, drink or smoke when using this product
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs, get medical attention.
P362 - Take off contaminated clothing and wash before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.
P309 + P311 - If exposed or you feel unwell: Call a POISON CENTRE or doctor/physician
P410 + P403 - Protect from sunlight. Store in a well-ventilated place
P501 - Dispose of contents and container in accordance with applicable local regulations.

23 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	64742-52-5	15-40
Heptane (n-)	142-82-5	10-30
1,1-Difluoroethane	75-37-6	10-30
Methyl acetate	79-20-9	10-30
Aluminum benzoate fatty acid complex	82980-54-9	1-5
Antimony dialkyldithiocarbamate	15890-25-2	1-5
Methyl alcohol	67-56-1	0.1-1

4. FIRST AID MEASURES

General advice	Avoid breathing vapors, mist, or gas. Avoid contact with skin, eyes and clothing.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact	Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	71.6 °F / 22 °C	Method	Seta closed cup
Flammability Limits in Air %: Mixture.		Upper	36
Suitable Extinguishing Media	Foam. Carbon dioxide (CO ₂). Dry chemical. Water spray.	Lower	1.05
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 extension: >30 inches / >76 cm and Burnback: 3 inch / 7.6 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 2	Flammability 4	Instability 0
HMIS	Health 2	Flammability 4	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Material can create slippery conditions. Do not flush into surface water or sanitary sewer system. Prevent product from contaminating soil or from entering sewage, drainage systems, and bodies of water. 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 place. Keep away from heat and sources of ignition.
Storage Temperature	Minimum 35 °F / 2 °C
Storage Conditions	Maximum 120 °F / 49 °C
	Indoor X Outdoor Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	***		
Component	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	TWA: 5 mg/m ³ ; STEL: 10 mg/m ³	TWA: 5 mg/m ³	No data available

Heptane (n-)	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
Methyl acetate	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm TWA: 610 mg/m ³	3100 ppm STEL 250 ppm STEL 760 mg/m ³ TWA: 200 ppm TWA: 610 mg/m ³
Antimony dialkyldithiocarbamate	TWA: 0.5 mg/m ³	TWA: 0.5 mg/m ³	TWA: 0.5 mg/m ³
Methyl alcohol	TWA: 200 ppm Skin STEL: 250 ppm	TWA: 200 ppm TWA: 260 mg/m ³	6000 ppm STEL 250 ppm STEL 325 mg/m ³ TWA: 200 ppm TWA: 260 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**

Safety glasses with side-shields.

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	Viscosity	Viscous
Color	Red	Odor	Petroleum distillates
Odor Threshold	Not applicable	Appearance	Opaque
pH	Not applicable	Specific Gravity	0.875
Evaporation Rate	4.4 (Butyl acetate=1)	Percent Volatile (Volume)	61.4
VOC Content (%)	24.5	VOC Content (g/L)	214
Vapor Pressure	106.85 mmHg @ 70°F	Vapor Density	2.7 (Air = 1.0)
Solubility	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.		
Flammability Limits in Air %:	Mixture.	Upper 36 Lower 1.05	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition
Incompatible Products	Strong oxidizing agents, Reducing agents, Acids, Bases.
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 (Rev. 3, 2009):

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure Eye contact, Skin contact, Inhalation.

Primary Routes of Entry Inhalation, Skin Absorption.

Acute Effects

Eyes Causes eye irritation.

Skin	Causes skin irritation. May be absorbed through the skin in harmful amounts. Repeated exposure may cause skin dryness or cracking.
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. Liver and kidney injuries may occur. Contains a known or suspected reproductive toxin.
Target Organ Effects	Central nervous system, Skin, Eyes, Respiratory system, Liver, Kidney, Heart, Central Vascular System, Reproductive System, Blood, Spleen, Pancreas.
Aggravated Medical Conditions	Neurological disorders, Respiratory disorders, Skin disorders, Liver disorders, Kidney disorders, Heart disease.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	no data available	no data available	no data available
Heptane (n-)	no data available	= 3000 mg/kg (Rabbit)	= 103 g/m ³ (Rat) 4 h	no data available	no data available
Methyl acetate	> 5000 mg/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 ppm (Rat) 4 h	no data available	no data available
Methyl alcohol	= 5628 mg/kg (Rat)	= 15800 mg/kg (Rabbit)	= 22500 ppm (Rat) 8 h = 64000 ppm (Rat) 4 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Heptane (n-)	no data available	no data available	no data available	no data available	skin, CNS, respiratory system, heart
1,1-Difluoroethane	no data available	no data available	no data available	no data available	CNS, heart
Methyl acetate	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin
Antimony dialkyldithiocarbamate	no data available	no data available	no data available	no data available	respiratory system, CVS, skin, eyes
Methyl alcohol	no data available	no data available	x	no data available	eyes, CNS, skin, GI tract, respiratory system, kidney, spleen, liver, blood, pancreas, heart, reproductive system

Carcinogenicity Contains no ingredient listed as a carcinogen.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	1000: 48 h Daphnia magna mg/L EC50	N/A
Heptane (n-)	no data available	LC50 = 375.0 mg/L Cichlid fish 96 h	no data available	10: 24 h Daphnia magna mg/L EC50	4.66
Methyl acetate	EC50 > 120 mg/L Desmodesmus subspicatus 72 h	LC50 250 - 350 mg/L Brachydanio rerio 96 h LC50 295 - 348 mg/L Pimephales promelas 96 h	EC50 = 6000 mg/L 16 h EC50 = 6100 mg/L 30 min	1026.7: 48 h Daphnia magna mg/L EC50	0.18
Methyl alcohol	no data available	LC50 13500 - 17600 mg/L Lepomis macrochirus 96 h LC50 18 - 20 mL/L Oncorhynchus mykiss 96 h LC50 19500 - 20700 mg/L Oncorhynchus mykiss 96 h LC50 = 28200 mg/L Pimephales promelas 96 h LC50 > 100 mg/L Pimephales promelas 96 h	EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min	no data available	-0.77

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal 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 Consumer commodity
Hazard Class ORM-D
Description Consumer commodity,ORM-D

TDG

Hazard Class 2.1
UN-No UN1950

ICAO

UN-No UN1950
Proper Shipping Name Aerosols
Hazard Class 2.1
Shipping Description Aerosols,UN1950,LTD QTY

IATA

UN-No UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
ERG Code 10L
Shipping Description UN1950,Aerosols, flammable,2.1, LTD QTY

IMDG/IMO

Proper Shipping Name Aerosols
Hazard Class 2
UN-No UN1950
EmS No. F-D, S-U
Shipping Description UN1950, Aerosols,2,LTD QTY

15. REGULATORY INFORMATION

Inventories

TSCA Complies
DSL Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Antimony dialkyldithiocarbamate	15890-25-2	1-5	1.0
Methyl alcohol	67-56-1	0.1-1	1.0

SARA 311/312 Hazardous Categorization

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

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Methyl alcohol	5000 lb	Not applicable

16. OTHER INFORMATION

Prepared By Adrienne McKee
Supersedes Date Not applicable
Issuing Date 02/20/2015
Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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