

Safety Data Sheet PREMALUBE WHITE AEROSOL, MM

Supersedes Date 10/02/2013

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name PREMALUBE WHITE AEROSOL, MM

Recommended use Lubricant

Information on Manufacturer

CERTIFIED LABS, DIV. OF NCH CORP.

BOX 152170

IRVING, TEXAS 75015

Product Code 5317

Chemical nature Petroleum distillates Mixture

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

972-579-2477

2. HAZARD IDENTIFICATION

Color white - off-white

Physical state Liquid

Odor Solvent

GHS

Classification

Physical Hazards

Flammable Aerosols

Gases under pressure

Category 1

Liquefied gas

Health Hazard

Skin Corrosion/Irritation

Reproductive Toxicity

Specific target organ systemic toxicity (single exposure)

Specific target organ toxicity (repeated exposure)

Category 2

Category 2

Category 3

Category 2

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H222 - Extremely flammable aerosol

H336 - May cause drowsiness or dizziness

H315 - Causes skin irritation

H361 - Suspected of damaging fertility or the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure

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.

P251 - Pressurized container: Do not pierce or burn, even after use

P211 - Do not spray on an open flame or other ignition source

P260 - Do not breathe gas, mist or vapor.

P271 - Use in a well-ventilated area.

P280 - Wear protective gloves, protective clothing and eye protection.

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product.

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a physician if unwell.

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

P308 + P313 - IF exposed or concerned, get medical attention

P403 - Store in a well-ventilated place

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

P501 - Dispose of contents and container in accordance with applicable local regulations.

1.7 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
White mineral oil, solvent refined	8042-47-5	30-60
Hexane	110-54-3	15-40
Isobutane	75-28-5	5-10
Propane	74-98-6	5-10
Calcium carbonate	471-34-1	1-5
Oxoaluminum Benzoate/Stearate	151911-66-9	1-5
Calcium sulfate	7778-18-9	1-5

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

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 59 °F / 15 °C	Method Seta closed cup	
Flammability Limits in Air %: Solvent mixture.	Upper: 9.5	Lower: 1.5
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		
Extremely flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: >30 inches / >76 cm and Burnback: 2 inch / 5 cm. Material can create slippery conditions.		
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
HMIS	Health 2	Flammability 4
		Instability 0
		Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. 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.
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 open flames, hot surfaces and sources of ignition. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.			
Storage	Keep away from heat and sources of ignition. Store in original container. Keep in a dry, cool and well-ventilated place.			
Storage Temperature	Minimum	35 °F / 2 °C	Maximum	125 °F / 52 °C
Storage Conditions	Indoor	X	Outdoor	
			Heated	
			Refrigerated	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
White mineral oil, solvent refined	5 mg/m ³	5 mg/m ³	STEL 10 mg/m ³ TWA: 5 mg/m ³

Hexane	TWA: 50 ppm Skin	TWA: 500 ppm TWA: 1800 mg/m ³	1100 ppm TWA: 50 ppm TWA: 180 mg/m ³
Isobutane	STEL: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m ³
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³
Calcium carbonate	No data available	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Calcium sulfate	TWA: 10 mg/m ³ inhalable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust

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

For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Viscosity	Semi-viscous - Viscous
Color	white - off-white	Odor	Solvent
Odor Threshold	Not applicable	Appearance	Opaque
pH	Not applicable	Specific Gravity	0.76
Evaporation Rate	31.74 (Butyl acetate=1)	Percent Volatile (Volume)	58.4
VOC Content (%)	48	VOC Content (g/L)	365
Vapor Pressure	1947.79 mmHg @ 70°F	Vapor Density	1.4 (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 data available	Flammability (solid, gas)	No data available
Flash Point	59 °F / 15 °C	Method	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Solvent mixture	Upper: 9.5 Lower: 1.5	

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, Strong acids, Strong bases.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides, Sulfur oxides.
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

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 Skin contact, Eye contact, Inhalation.

Primary Routes of Entry Skin contact, Skin Absorption.

Acute Effects:

Eyes May cause eye irritation.

Skin Causes skin irritation.

Inhalation May cause irritation of respiratory tract. 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.

Ingestion
Chronic Toxicity

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Prolonged skin contact may defat the skin and produce dermatitis. Contains a known or suspected reproductive toxin.

Target Organ Effects

Respiratory system, Central nervous system, Skin, Eyes, Peripheral Nervous System (PNS), Heart, Auditory System.

Aggravated Medical Conditions

Respiratory disorders, Skin disorders, Central nervous system, Eyes, Heart disease.

Component Information**Acute Toxicity**

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
White mineral oil, solvent refined 8042-47-5	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	no data available	no data available	no data available
Hexane 110-54-3	= 15000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	= 48000 ppm (Rat) 4 h	no data available	no data available
Isobutane 75-28-5	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available
Propane 74-98-6	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available
Calcium carbonate 471-34-1	= 6450 mg/kg (Rat)	no data available	no data available	no data available	no data available
Calcium sulfate 7778-18-9	> 3000 mg/kg (Rat)	no data available	no data available	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
White mineral oil, solvent refined 8042-47-5	no data available	no data available	no data available	no data available	Skin Eyes Respiratory system
Hexane 110-54-3	no data available	no data available	no data available	yes	Skin Central nervous system Eyes Respiratory system Peripheral Nervous System (PNS) Heart Auditory System
Isobutane 75-28-5	no data available	no data available	no data available	no data available	Central nervous system
Propane 74-98-6	no data available	no data available	no data available	no data available	Central nervous system
Calcium carbonate 471-34-1	no data available	no data available	no data available	no data available	Skin Eyes Respiratory system
Calcium sulfate 7778-18-9	no data available	no data available	no data available	no data available	Skin Eyes Respiratory system

Carcinogenicity

There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION**Product Information**

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
White mineral oil, solvent refined	No information available.	LC50 > 10000 mg/L Lepomis macrochirus 96 h	No information available	No information available.	6.006
Hexane	No information available.	LC50 2.1 - 2.98 mg/L Pimephales promelas 96 h	No information available	No information available.	N/A
Isobutane	No information available.	No information available.	No information available	No information available.	2.88
Propane	No information available.	No information available.	No information available	No information available.	2.3
Calcium sulfate	No information available.	LC50 = 2980 mg/L Lepomis macrochirus 96 h LC50 > 1970 mg/L Pimephales promelas 96 h	No information available	No information available.	N/A

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

Proper shipping name Consumer Commodity
 Hazard Class ORM-D
 Description Consumer Commodity, ORM-D

ICAO

Shipping Description DO NOT SHIP AIR

IATA

Shipping Description DO NOT SHIP AIR

IMDG/IMO

Proper Shipping Name Aerosols
 Hazard Class 2.1
 UN-No UN1950
 EmS No. F-D, S-U
 Description UN1950, Aerosols, 2.1, 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
Hexane	110-54-3	15-40	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
Hexane	5000 lb	Not applicable

16. OTHER INFORMATION

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

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