

Material Safety Data Sheet: PREMALUBE XTREME GREEN #1

Supersedes Date 01/17/2012

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name PREMALUBE XTREME GREEN #1
Recommended use Lubricant
Information on Manufacturer
CERTIFIED LAB PRODUCTS
239 ORENDA ROAD
BRAMPTON ONT L6T 1E6

Product Code 324J
Chemical nature mixture
Emergency Telephone Number
CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
WARNING
Causes skin irritation
Causes severe eye irritation

Color blue green - Blue

Physical State Grease

Odor Odorless

Potential Health Effects

Principle Route of Exposure

Skin contact, Eye contact, Inhalation.

Primary Routes of Entry

Skin Absorption

Acute Effects

Eyes

Severe irritation.

Skin

Causes skin irritation.

Inhalation

Low hazard for usual industrial or commercial handling.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity

Repeated exposure may cause skin dryness or cracking.

Target Organ Effects

Respiratory system, Eyes, Skin.

Aggravated Medical Conditions

Skin disorders, Respiratory disorders.

Potential Environmental Effects

See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Calcium carbonate	1317-65-3	15-40
Oil soluble calcium sulfonates	61789-86-4	5-10
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	64742-54-7	10-30
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	64742-65-0	10-30
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	64742-01-4	10-30
Calcium-12-Hydroxystearate	3159-62-4	1-5
Tricalcium phosphate	1306-06-5	1-5
Polyalphaolefin	68037-01-4	1-5

4. FIRST AID MEASURES

General advice

Avoid contact with skin, eyes 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 immediately.

Skin Contact

Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if symptoms occur. Wash contaminated clothing before re-use.

Inhalation

No hazards which require special first aid measures.

Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth.

Notes to physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point > 201 °F / > 94 °C

Method

Seta closed cup

Autoignition Temperature

Flammability Limits in Air % . Mixture.

Upper 8.1

Lower 1.2

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions.

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.

NFPA	Health 2	Flammability 1	Instability 0
HMIS	Health 2	Flammability 1	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Prevent further leakage or spillage if safe to do so.
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	Pick up and transfer to properly labeled containers.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing.			
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
Storage Temperature	Minimum	0 °F / -18 °C	Maximum	120 °F / 49 °C
Storage Conditions	Indoor	X	Outdoor	X
			Heated	Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Calcium carbonate	No data available	TWA: 15 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³
Oil soluble calcium sulfonates	No data available	No data available	No data available
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³	No data available
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³	No data available
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	5 mg/m ³	5 mg/m ³	No data available
Calcium-12-Hydroxystearate	No data available	No data available	No data available
Tricalcium phosphate	No data available	No data available	No data available
Polyalphaolefin	No data available	No data available	No data available

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Grease	Viscosity	Viscous
Color	blue green - Blue	Odor	Odorless
Appearance	Opaque	pH	Not applicable
Specific Gravity	1.01	Evaporation Rate	< 1 (BuAc = 1)
Percent Volatile (Volume)	2.2	VOC Content (%)	2.0
VOC Content (g/L)	20	Vapor Pressure	< 0.1 mmHg @ 70°F
Vapor Density	4.1 (air = 1)	Solubility	Negligible
Boiling Point/Range	610 °F / 321 °C		

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known
Incompatible Products	Strong oxidizing agents, Acids.
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Oxides of

Possibility of Hazardous Reactions phosphorus.
None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Calcium carbonate	= 6450 mg/kg (Rat)	no data available	no data available	no data available	no data available
Oil soluble calcium sulfonates	> 5000 mg/kg (Rat)	> 4000 mg/kg (Rabbit)	no data available	no data available	no data available
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	no data available	no data available	no data available
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	no data available	no data available	no data available
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h	no data available	no data available
Calcium-12-Hydroxystearate	no data available	no data available	no data available	no data available	no data available
Tricalcium phosphate	no data available	no data available	no data available	no data available	no data available
Polyalphaolefin	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Calcium carbonate	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Oil soluble calcium sulfonates	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available
Calcium-12-Hydroxystearate	no data available	no data available	no data available	no data available	no data available
Tricalcium phosphate	no data available	no data available	no data available	no data available	no data available
Polyalphaolefin	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Calcium carbonate	not applicable	not applicable	not applicable	not applicable	not applicable
Oil soluble calcium sulfonates	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
Calcium-12-Hydroxystearate	not applicable	not applicable	not applicable	not applicable	not applicable
Tricalcium phosphate	not applicable	not applicable	not applicable	not applicable	not applicable
Polyalphaolefin	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Calcium carbonate	no data available	no data available	no data available	no data available	N/A
Oil soluble calcium sulfonates	no data available	LC50 1.0 - 10.0 mg/L Pimephales promelas 96 h LC50 5.7 - 9.7 mg/L Pimephales	no data available	EC50 6.2 - 12 mg/L Daphnia magna 48 h	N/A

		promelas 96 h			
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	EC50 1000 mg/L Daphnia magna 48 h	N/A
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	EC50 1000 mg/L Daphnia magna 48 h	N/A
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	EC50 1000 mg/L Daphnia magna 48 h	N/A
Calcium-12-Hydroxystearate	no data available	no data available	no data available	no data available	N/A
Tricalcium phosphate	no data available	no data available	no data available	no data available	N/A
Polyalphaolefin	no data available	no data available	no data available	no data 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 Empty containers should be taken for local recycling, recovery, or waste disposal

14. TRANSPORT INFORMATION

DOT Not regulated
TDG Not regulated
ICAO Not regulated
IATA Not regulated
IMDG/IMO Not regulated

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 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 Hazardous Categorization

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

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Calcium carbonate	Not applicable	Not applicable
Oil soluble calcium sulfonates	Not applicable	Not applicable
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	Not applicable	Not applicable
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	Not applicable	Not applicable
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	Not applicable	Not applicable
Calcium-12-Hydroxystearate	Not applicable	Not applicable
Tricalcium phosphate	Not applicable	Not applicable
Polyalphaolefin	Not applicable	Not applicable

Canada

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

WHMIS Hazard Class

D2B Toxic materials

**16. OTHER INFORMATION**

Prepared By	Devon Kebodeaux
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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