

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MAXI-LUBE ULTRA #2 (CART- 1/2CS)
Recommended Use Lubricant
Information on Manufacturer
 CHEMSEARCH DIV. OF NCH CORP.
 BOX 152170
 IRVING, TX 75015

Product Code 412J
Chemical Nature mixture
Emergency Telephone Number
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
 Warning
 Severe eye irritation
 May be harmful if swallowed
 May cause skin irritation
 May cause allergic skin reaction

Color Black **Physical State** Grease **Odor** Odor oily
Potential Health Effects
Principle Route of Exposure Eye contact, Skin contact.
Primary Routes of Entry Skin Absorption
Acute Effects
Eyes May cause irreversible eye damage. Severe eye irritant.
Skin Repeated exposure may cause skin dryness or cracking. May cause skin irritation. May cause allergic skin reaction.
Inhalation May cause irritation of respiratory tract.
Ingestion May be harmful if swallowed.
Chronic Toxicity May cause skin sensitization in some individuals , Kidney injury may occur.
Target Organ Effects Kidney, Respiratory system, Eyes, Skin, Central nervous system, Blood, Bone Marrow.
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
Calcium Carbonate	1317-65-3
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	64741-88-4
Styrene-Ethylene/Propylene Block Copolymer	68648-89-5
Polyalpha olefin	68649-12-7
Hexylene glycol	107-41-5
Tricalcium phosphate	1306-06-5
Calcium acetate carbonate hydrogenated castrol fatty acid	68307-88-0
Calcium stearate soap	68608-31-1
Molybdenum disulfide	1317-33-5

The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

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

5. FIRE-FIGHTING MEASURES

Flash Point 490°F/254°C **Method** open cup
Autoignition Temperature No information available.
Flammability Limits in Air % No information available.
Suitable Extinguishing Media Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Alcohol-resistant foam.
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
HMS Health 2 **Flammability** 1 **Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can

**Environmental Precautions
Methods for Containment**

create slippery conditions.

Do not allow material to contaminate ground water system.

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
Neutralizing Agent**

Pick up and transfer to properly labeled containers.

Not applicable.

7. HANDLING AND STORAGE**Handling
Storage**

Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mist or gas.

Keep container tightly closed in a dry and well-ventilated place. Store in original container.

**Storage Temperature
Storage Conditions****Minimum** 0°F/-18°C**Maximum** 150°F/66°C**Indoor** X **Outdoor** X **Heated** X **Refrigerated** X**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
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³	IDLH: 2500 mg/m ³ STEL: 10 mg/m ³ TWA: 5 mg/m ³
Styrene-Ethylene/Propylene Block Copolymer	No data available	No data available	No data available
Polyalpha olefin	No data available	No data available	No data available
Hexylene glycol	Ceiling: 25 ppm	No data available	Ceiling: 125 mg/m ³ Ceiling: 25 ppm
Tricalcium phosphate	No data available	No data available	No data available
Calcium acetate carbonate hydrogenated castrol fatty acid	No data available	No data available	No data available
Calcium stearate soap	No data available	No data available	No data available
Molybdenum disulfide	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 15 mg/m ³	IDLH: 5000 mg/m ³

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Eye/Face Protection**

Tightly fitting safety goggles.

Skin Protection

Impervious gloves, Wear suitable protective clothing.

Respiratory Protection

None under normal processing.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Grease	Viscosity	Semi-Solid
Color	Black	Odor	Oily
Appearance	Opaque	pH	Not applicable
Specific Gravity	1.01	Evaporation Rate	0 (Butyl acetate=1)
Percent Volatile (Volume)	2.1	VOC Content (%)	1.9
VOC Content (g/l)	19	Vapor Pressure	<0.01 mmHg @ 70 °F
Vapor Density	5.4 (Air = 1.0)	Solubility	Negligible
Boiling Point/Range	550°F/288°C		

10. STABILITY AND REACTIVITY**Chemical Stability**

Hazardous polymerization does not occur. Stable.

Conditions to Avoid

Heat, flames, and sparks.

Incompatible Products

Strong oxidizing agents, Strong acids.

Hazardous Decomposition Products

Carbon oxides, Nitrogen oxides (NOx), Oxides of phosphorus, Sulfur oxides.

Possibility of Hazardous Reactions

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	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h	no data available	no data available
Styrene-Ethylene/Propylene Block Copolymer	no data available	no data available	no data available	no data available	no data available
Polyalpha olefin	no data available	no data available	no data available	no data available	no data available
Hexylene glycol	3692 mg/kg (Rat)	8560 µL/kg (Rabbit)	310 mg/m ³ (Rat) 1 h	no data available	no data available
Tricalcium phosphate	25350 mg/kg (Rat)	no data available	no data available	no data available	no data available
Calcium acetate carbonate hydrogenated castrol fatty acid	no data available	no data available	no data available	no data available	no data available
Calcium stearate soap	no data available	no data available	no data available	no data available	no data available
Molybdenum disulfide	no data available	no data available	2820 mg/m ³ (Rat) 4 h	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	respiratory system, skin, eyes
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available
Styrene-Ethylene/Propylene Block Copolymer	no data available	no data available	no data available	no data available	no data available
Polyalpha olefin	no data available	no data available	no data available	no data available	no data available
Hexylene glycol	no data available	skin sensitization	no data available	no data available	eyes, skin, respiratory system, CNS
Tricalcium phosphate	no data available	no data available	no data available	no data available	no data available
Calcium acetate carbonate hydrogenated castrol fatty acid	no data available	no data available	no data available	no data available	no data available
Calcium stearate soap	no data available	no data available	no data available	no data available	no data available
Molybdenum disulfide	no data available	no data available	no data available	no data available	respiratory system, kidneys, eyes, blood, bones, joints

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA	Other
Calcium Carbonate	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
Styrene-Ethylene/Propylene Block Copolymer	not applicable	not applicable	not applicable	not applicable	not applicable
Polyalpha olefin	not applicable	not applicable	not applicable	not applicable	not applicable
Hexylene glycol	not applicable	not applicable	not applicable	not applicable	not applicable
Tricalcium phosphate	not applicable	not applicable	not applicable	not applicable	not applicable
Calcium acetate carbonate hydrogenated castrol fatty acid	not applicable	not applicable	not applicable	not applicable	not applicable
Calcium stearate soap	not applicable	not applicable	not applicable	not applicable	not applicable
Molybdenum disulfide	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
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	no data available	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L	no data available	48 Hr EC50 Daphnia magna: >1000 mg/L	N/A
Styrene-Ethylene/Propylene Block Copolymer	no data available	no data available	no data available	no data available	N/A
Polyalpha olefin	no data available	no data available	no data available	no data available	N/A
Hexylene glycol	no data available	96 Hr LC50 Pimephales promelas: 10500-11000 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 10000 mg/L [static]; 96 Hr LC50 Pimephales promelas: 8690 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 10700 mg/L [static]	EC50 = 3038 mg/L 5 min	48 Hr EC50 Daphnia magna: 3200 mg/L	0.14
Tricalcium phosphate	no data available	no data available	no data available	no data available	N/A
Calcium acetate carbonate hydrogenated castrol fatty acid	no data available	no data available	no data available	no data available	N/A
Calcium stearate soap	no data available	no data available	no data available	no data available	N/A
Molybdenum disulfide	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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n 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	Yes	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Calcium Carbonate	Not applicable	Not applicable
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	Not applicable	Not applicable
Styrene-Ethylene/Propylene Block Copolymer	Not applicable	Not applicable
Polyalpha olefin	Not applicable	Not applicable
Hexylene glycol	Not applicable	Not applicable
Tricalcium phosphate	Not applicable	Not applicable
Calcium acetate carbonate hydrogenated castrol fatty acid	Not applicable	Not applicable
Calcium stearate soap	Not applicable	Not applicable
Molybdenum disulfide	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	Kristen Stansbury
Supersedes Date	05/16/2008
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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