



Material Safety Data Sheet

LOBASE® C-4506

Version: 1.3

Revision Date: 03/26/2012

Print Date: 08/22/2013

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOBASE® C-4506

Product Use Description: Additive

Synonyms: Calcium sulfonate

Company: Chemtura Corporation
199 Benson Road
Middlebury, CT
06749
United States of America

Telephone: (US) +1 866-430-2775

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300
:
Chemtura Corporation Emergency Response: CHEMTURA : 800-292-5898
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by: Product Safety Department
03/26/2012 (US) +1 866-430-2775
MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Form: viscous liquid Colour: brown Odour: mild hydrocarbon-like

Hazard Summary : Irritating to eyes.

OSHA Hazards : MODERATE EYE IRRITANT

Potential Health Effects

Eyes : Causes eye irritation.

Symptoms of Overexposure : irritant effects



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component / CAS-No.	Weight percent
NJTS: 136411-5558P	18 < 20 %
NJTS: 136411-5412P	15.75 < 20 %
NJTS: 136411-5414P	11.25 < 20 %

SECTION 4. FIRST AID MEASURES

First aid procedures

- Inhalation : Remove to fresh air.
If symptoms persist, call a physician.
- Skin contact : Cool skin rapidly with cold water after contact with molten material.
Wash off with soap and plenty of water.
Get medical attention if irritation develops and persists.
- Eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Get medical attention immediately.
- Ingestion : Do NOT induce vomiting.
Rinse mouth with water.
Obtain medical attention.

Notes to physician

- Symptoms : irritant effects
- Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

- Flash point : > 356 °F (> 180 °C)
Method: open cup

Fire fighting

- Suitable extinguishing media : Carbon dioxide (CO2)
Dry chemical
Dry sand
Foam
Water mist
- Further information : Cool containers / tanks with water spray.



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Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Protective equipment and precautions for firefighters

Specific hazards during firefighting : Burning produces noxious and toxic fumes.
Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Use personal protective equipment.
Environmental precautions : Discharge into the environment must be avoided. Do not flush into surface water or sanitary sewer system.
Methods for containment / Methods for cleaning up : Dam up.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Sweep up and shovel.
Pick up and transfer to properly labelled containers.
Do not flush into surface water or sanitary sewer system.

SECTION 7. HANDLING AND STORAGE

Handling
Handling procedures : Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with skin and eyes.
Use with adequate ventilation.
Keep container tightly closed.
Remove all sources of ignition.

Storage

Requirements for storage areas and containers : Do not store together with oxidizing and self-igniting products.
Keep container tightly closed.
Keep in a well-ventilated place.
Keep away from heat.

Other data : Stable under recommended storage conditions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components with workplace control parameters

Components / CAS-No.	Value / Basis /	Control	Further information
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	Update	parameters	
Mineral Oil Mist	TWA ACGIH	5 mg/m3	
	STEL	10 mg/m3	
	TWA OSHA Z2	5 mg/m3	

Engineering measures

Engineering measures : Use with adequate ventilation.
Local ventilation is needed in the presence of airborne mists.

Personal protective equipment

Eye protection : Safety glasses with side-shields
Goggles

Hand protection : Impervious gloves

Skin and body protection : Protective suit

Respiratory protection : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : viscous liquid
Colour : brown
Odour : mild
hydrocarbon-like

Safety data

Flash point : > 356 °F (> 180 °C)
Method: open cup
Boiling point/boiling range : Note: no data available
Vapour pressure : < 0.0008 hPa (0.080 mmHg)
at 68 °F (20 °C)



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Specific Gravity : > 1 at 25 °C
Water solubility : Note: negligible
Solubility in other solvents : Note: partly soluble
Viscosity, kinematic : >30 mm²/s
at 104 °F (40 °C)

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Exposure to moisture.
Contamination
Materials to avoid : Remarks: Oxidizing agents
Acids and bases
Hazardous decomposition products : Note: Carbon oxides
Sulphur oxides
Oxides of calcium
Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50: > 20,000 mg/kg
Species: rat
Remarks: Not classified due to lack of data.
Information given is based on data obtained from similar substances.
Acute inhalation toxicity : Remarks: Not classified due to lack of data.
Acute dermal toxicity
NJTS: 136411-5412P : LD50: > 2,000 mg/kg
Species: rat
Method: OECD Test Guideline 402
NJTS: 136411-5414P : LD50: > 4,000 mg/kg
Species: rabbit
Method: OECD Test Guideline 402
Eye irritation
NJTS: 136411-5412P : Result: Eye irritation
NJTS: 136411-5414P : Species: rabbit
Result: Eye irritation
Method: OECD Test Guideline 405



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Sensitisation : Remarks: Not classified due to lack of data.

Aspiration toxicity : No aspiration toxicity classification

Toxicology Assessment

CMR effects : Carcinogenicity:
Not classified due to lack of data.
Mutagenicity:
Not classified due to lack of data.
Reproductive toxicity:
Not classified due to lack of data.

Further information : No data is available on the product itself.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish
NJTS: 136411-5414P : LC50: > 10,000 mg/l
Exposure time: 96 h

Species: Cyprinodon variegatus (sheepshead minnow)
static test Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates
NJTS: 136411-5414P : EC50: > 100 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
static test Method: OECD Test Guideline 202

Toxicity to algae
NJTS: 136411-5414P : EbC50: > 100 mg/l
Exposure time: 72 h
Species: Green algae (Scenedesmus subspicatus)
static test Analytical monitoring: no
Method: OECD Test Guideline 201

ErC50: > 100 mg/l
Species: Green algae (Scenedesmus subspicatus)
static test Analytical monitoring: no
Method: OECD Test Guideline 201

Elimination information (persistence and degradability)

Bioaccumulation : Remarks:
no data available



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Mobility : Remarks:
no data available

Biodegradability : Result: no data available

Further information on ecology

Ecotoxicology Assessment

Results of PBT assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

Additional ecological information

Benzenesulfonic acid, mono- : May cause long-term adverse effects in the aquatic environment.
C16-24-alkyl derivs., calcium
salts

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

DOT

Not dangerous goods

TDG

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Moderate eye irritant

CERCLA Reportable :
Quantity

SARA 302 Reportable :
Quantity

SARA 311/312 Hazards : Acute Health Hazard

EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

SARA 302 Reportable :



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Quantity

SARA 304 Components : This material does not contain any components with a section 304 EHS RQ.

Massachusetts Right To Know Components : IARC international agency for research on cancer published monograph substances found to have at least sufficient evidence of carcinogenicity in animals.

Pennsylvania Right To Know Components :
IARC international agency for research on cancer published monograph substances found to have at least sufficient evidence of carcinogenicity in animals.

NJTS# 136411-5039P petroleum oil

NJTS: 136411-5558P

NJTS: 136411-5412P

NJTS: 136411-5414P

New Jersey Right To Know Components :
IARC international agency for research on cancer published monograph substances found to have at least sufficient evidence of carcinogenicity in animals.

NJTS# 136411-5039P petroleum oil

The components of this product are reported in the following inventories:

US.TSCA On TSCA Inventory

DSL All components of this product are on the Canadian DSL list.

AICS On the inventory, or in compliance with the inventory

NZIoC On the inventory, or in compliance with the inventory

ENCS On the inventory, or in compliance with the inventory

KECI On the inventory, or in compliance with the inventory

PICCS On the inventory, or in compliance with the inventory



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IECSC

On the inventory, or in compliance with the inventory

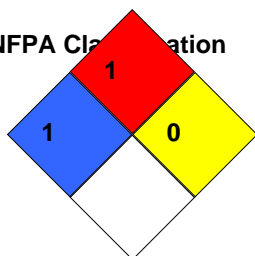
SECTION 16. OTHER INFORMATION

Further information

HMIS Classification

: Health hazard: 1
Flammability: 1
Physical hazards: 0

NFPA Classification



: Health hazard: 1
Fire Hazard: 1
Reactivity Hazard: 0

Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+52 555 004 8763

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