



SAFETY DATA SHEET

LOBASE® C-4503

Version: 1.1

Revision Date: 01/08/2015

Print Date: 04/21/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOBASE® C-4503

Product Use Description: Additive

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
(US) +1 866-430-2775

MSDSRequest@chemtura.com

Recommended use of the chemical and restrictions on use

Recommended use : Additive

Restrictions on use : Restricted to professional users.

SECTION 2. HAZARDS IDENTIFICATION

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

GHS Classification

Eye irritation : Category 2A
Skin sensitisation : Category 1

GHS Label element

Signal word : **Warning**



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Hazard pictograms

:



Hazard statements

:

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Other hazards

:

None

Precautionary statements

:

Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P363 Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Carcinogenicity:

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

| Chemical Name | CAS-No. | Concentration (%) |
|---|------------|-------------------|
| Distillates (petroleum), solvent-refined heavy paraffinic | 64741-88-4 | >= 50 - < 70 % |



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| | | |
|------------------------------|-----------|----------------|
| NJTS: 136411-5414P | | >= 20 - < 30 % |
| NJTS: 136411-5558P Sulfomate | | >= 20 - < 30 % |
| calcium dihydroxide | 1305-62-0 | >= 1 - < 5 % |

SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.
If breathing is difficult, give oxygen.
If symptoms persist, call a physician.
Aspiration may cause pulmonary oedema and pneumonitis.
- In case of skin contact : Wash off with warm water and soap.
If skin irritation persists, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,
for at least 15 minutes.
If symptoms persist, call a physician.
- If swallowed : Obtain medical attention.
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : Sensitisation
- Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : (on small fires)
Carbon dioxide (CO₂)
Dry chemical
Dry sand
Extinguishing media - large fires
Foam
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.
Burning produces irritant fumes.
Exposure to decomposition products may be a hazard to health.
- Specific extinguishing methods : Cool containers/tanks with water spray.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.



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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
- Environmental precautions : Should not be released into the environment.
Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.
- Methods and materials for containment and cleaning up : Clean-up methods - large spillage Dam up. Large spills should be collected mechanically (remove by pumping) for disposal. Clean-up methods - small spillage Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.
Wear suitable protective equipment.
Avoid contact with skin, eyes and clothing.
Keep tightly closed.
Protect from contamination.
- Conditions for safe storage : Keep tightly closed in a dry, cool and well-ventilated place.
Protect from contamination.
- Materials to avoid : Oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| Components | CAS-No. | Form of exposure | Permissible concentration | Basis |
|---|------------|--------------------------|---------------------------|-----------|
| Distillates (petroleum), solvent-refined heavy paraffinic | 64741-88-4 | TWA (Mist) | 5 mg/m3 | OSHA Z-1 |
| | | TWA (Inhalable fraction) | 5 mg/m3 | ACGIH |
| | | TWA (Mist) | 5 mg/m3 | NIOSH REL |
| | | ST (Mist) | 10 mg/m3 | NIOSH REL |
| | | TWA (Mist) | 5 mg/m3 | OSHA P0 |
| calcium dihydroxide | 1305-62-0 | TWA | 5 mg/m3 | ACGIH |
| | | TWA (total dust) | 15 mg/m3 | OSHA Z-1 |



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| | | | | |
|--|--|---------------------------------|---------|-----------|
| | | TWA (respirable fraction) | 5 mg/m3 | OSHA Z-1 |
| | | TWA | 5 mg/m3 | OSHA P0 |
| | | TWA | 5 mg/m3 | NIOSH REL |

Personal protective equipment

- Respiratory protection : Not required; except in case of aerosol formation.
In the case of dust or aerosol formation use respirator with an approved filter.
Respirator with combination filter for vapour/particulate (EN 141).
- Hand protection : Solvent-resistant gloves (butyl-rubber)
- Remarks
- Eye protection : Tightly fitting safety goggles
- Skin and body protection : impervious clothing
- Hygiene measures : Electrically bond and ground all containers and equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : viscous liquid
- Color : brown
- Odor : mild hydrocarbon-like
- Melting point/range :
Not applicable
- Boiling point/boiling range : No data available
- Flash point : > 180 °C
Method: open cup
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : < 0.0008 hPa (20 °C)
- Relative density : > 1 (25 °C)

Solubility(ies)

- Water solubility : negligible
- Solubility in other solvents : partly soluble
- Partition coefficient: n- : No data available



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octanol/water

Viscosity

Viscosity, kinematic : > 30 mm²/s (40 °C)

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : None reasonably foreseeable.

Possibility of hazardous reactions : Hazardous polymerisation does not occur.

Conditions to avoid : Exposure to moisture.
Contamination

Incompatible materials : Oxidizing agents

Hazardous decomposition products :
Carbon oxides
Sulphur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product) : LD50: > 20,000 mg/kg
Species: Rat
Remarks: Information given is based on data obtained from similar substances.

Acute dermal toxicity
NJTS: 136411-5414P : LD50: > 4,000 mg/kg
(Component) Species: Rabbit
Method: OECD Test Guideline 402

Skin irritation (Product) : Remarks: Not classified due to lack of data.

Eye irritation (Product) : Remarks: Irritating to eyes.

Sensitisation
NJTS: 136411-5414P : Result: Probability or evidence of low to moderate skin sensitisation rate
(Component) in humans

NJTS: 136411-5558P : Result: Probability or evidence of low to moderate skin sensitisation rate



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Sulfamate (Component) in humans

calcium dihydroxide (Component) : Classification: Did not cause sensitisation on laboratory animals.

Aspiration toxicity (Product) : No aspiration toxicity classification

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

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish (Product) : LC50:
Exposure time: 96 h
Species: Fish
Remarks:
No data available

Toxicity to daphnia and other aquatic invertebrates
NJTS: 136411-5414P (Component) : 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 (Component) : 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 (Product) : Remarks:
No data available

Mobility (Product) : Remarks:



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No data available

Biodegradability (Product) : Result: No data available

Further information on ecology

Ecotoxicology Assessment

Acute aquatic toxicity

calcium dihydroxide : Harmful to aquatic life.

(Component)

calcium dihydroxide :

(Component)

calcium dihydroxide :

(Component)

calcium dihydroxide :

(Component)

calcium dihydroxide :

(Component)

Results of PBT assessment (Product)

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological : No information on ecology is available.

information (Product) Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of as hazardous waste in compliance with local and national regulations.
Dispose of wastes in an approved waste disposal facility.

SECTION 14. TRANSPORT INFORMATION

ADR

Not dangerous goods

RID

Not dangerous goods

MERCOSUR

Not dangerous goods

DOT

Not dangerous goods



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IATA

Not dangerous goods

IMDG

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA304 Reportable Quantity

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

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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.

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

IECSC

On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information

Other Emergency Phone Number



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| | | |
|-----------------------|---------------------|----------------------|
| <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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