

SAFETY DATA SHEET



LOBASE ® C4506

Version: 1.9

Revision Date: 09/04/2018

Print Date: 03/12/2019

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOBASE ® C4506

Product Use Description: Lubricant

Synonyms: calcium sulfonate detergent

Company: LANXESS Solutions US Inc.
2 Armstrong Road
Shelton, Ct
06484
United States of America (USA)

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

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300
:
: US : 800-292-5898 (Technical inquiries)

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by Product Safety Department
(US) +1 866-430-2775

MSDSRequest@lanxess.com

Recommended use of the chemical and restrictions on use

Recommended use : Lubricant

Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

Form	viscous liquid
Colour	brown
Odour	mild hydrocarbon-like

GHS Classification

Skin sensitisation : Category 1

GHS label elements

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Signal word : **Warning**

Hazard pictograms : 

Hazard statements : H317 May cause an allergic skin reaction.

Other hazards : None

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: 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 on OSHA's list of regulated carcinogens.

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 %
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	>= 20 - < 30 %
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0	>= 10 - < 20 %
Sulfonic acids, petroleum, calcium salts	61789-86-4	>= 10 - < 20 %

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SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.
If symptoms persist, call a physician.
- In case of 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.
- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Get medical attention immediately.
- If swallowed : Do NOT induce vomiting.
Rinse mouth with water.
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : sensitising effects
- Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry chemical
Dry sand
Foam
Water mist
- Specific hazards during firefighting : Burning produces noxious and toxic fumes.
- Specific extinguishing methods : Cool containers/tanks with water spray.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- 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 : Use personal protective equipment.
- Environmental precautions : Discharge into the environment must be avoided.
Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and 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

- Advice on safe handling : 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.
- Dust explosion class : No data available
- Conditions for safe storage : Do not store together with oxidizing and self-igniting products.

Keep container tightly closed.
Keep in a well-ventilated place.
Keep away from heat.
- Materials to avoid : Oxidizing agents, Acids and bases

Strong 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	5 mg/m ³	OSHA Z-1
		TWA (Mist)	5 mg/m ³	OSHA Z-1

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		TWA (Inhalable fraction)	5 mg/m ³	ACGIH
		TWA (Mist)	5 mg/m ³	NIOSH REL
		ST (Mist)	10 mg/m ³	NIOSH REL
		TWA (Mist)	5 mg/m ³	OSHA P0
		PEL (particulate)	5 mg/m ³	CAL PEL

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

Personal protective equipment

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

Hand protection
Remarks : Impervious gloves

Eye protection : Safety glasses with side-shields
Goggles

Skin and body protection : Protective suit

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : viscous liquid

Color : brown

Odor : mild hydrocarbon-like

Odour Threshold : No data available

pH : Not applicable
No data available

Boiling point/boiling range : No data available

Evaporation rate : 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)

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Relative vapour density : No data available
Relative density : 0.945 (15 °C)
Density : 0.95 g/cm³ (15 °C)

Solubility(ies)

Water solubility : negligible
Solubility in other solvents : partly soluble

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Thermal decomposition : No data available

Viscosity

Viscosity, kinematic : 72 mm²/s (100 °C)
Method: ASTM D 445

Dust explosion class : No data available

Molecular weight : No data available

SECTION 10. STABILITY AND REACTIVITY

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

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : Hazardous polymerisation does not occur.

Conditions to avoid : Exposure to moisture
Contamination

Strong oxidizing agents

Incompatible materials : Oxidizing agents
Acids and bases

Strong oxidizing agents

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Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.
Sulphur oxides
Oxides of calcium
Carbon oxides
Nitrogen oxides (NO_x)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Components:

Sulfonic acids, petroleum, calcium salts:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 401
GLP: yes

Acute dermal toxicity : LD50 (Rabbit, male and female): > 4,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes

Respiratory or skin sensitisation

Product:

Assessment: May cause sensitisation by skin contact.
Method: OECD Test Guideline 406

Components:

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Result: Probability or evidence of low to moderate skin sensitisation rate in humans

Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts:

Result: Probability or evidence of low to moderate skin sensitisation rate in humans

Sulfonic acids, petroleum, calcium salts:

Result: Probability or evidence of low to moderate skin sensitisation rate in humans

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 on OSHA's list of regulated carcinogens.

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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.

Aspiration toxicity

Product:

No aspiration toxicity classification

Further information

Product:

Remarks: No data is available on the product itself.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish

:

Remarks: No data available

Components:

Sulfonic acids, petroleum, calcium salts:

Toxicity to fish

:

LC50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates

:

EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae

:

EbC50 (Green algae (Scenedesmus subspicatus)): > 100 mg/l
Exposure time: 72 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 201
GLP: yes

ErC50 (Green algae (Scenedesmus subspicatus)): > 100 mg/l
Exposure time:
Test Type: static test

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Analytical monitoring: no
Method: OECD Test Guideline 201
GLP: yes

Persistence and degradability

Product:

Biodegradability : Result: No data available

Components:

Sulfonic acids, petroleum, calcium salts:

Biodegradability : aerobic
Inoculum: activated sludge
Result: Not readily biodegradable.
Biodegradation: 8.6 %
Exposure time: 28 d
GLP: yes

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Mobility in soil

Product:

Mobility : Remarks: No data available

Other adverse effects

Product:

Results of PBT and vPvB assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

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Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR

Not regulated as a dangerous good

Not classified as dangerous in the meaning of transport regulations.

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 : Respiratory or skin sensitisation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

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.

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Please note that Section 3 of this document lists only the hazardous components required by the specific country or region hazard communication regulations. The chemical identifiers listed in Section 3 are used globally for hazard communication purposes and may not reflect those used for chemical inventory coverage in a particular country or region. The chemical inventory information given in Section 15 of this document applies to the product as a whole and should be used when evaluating inventory compliance.

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

DSL	All components of this product are on the Canadian DSL
AICS	On the inventory, or in compliance with the inventory
NZIoC	Not 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
TCSI	On the inventory, or in compliance with the inventory
US.TSCA	On TSCA Inventory

SECTION 16. OTHER INFORMATION

Further information

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.