

## **CALCINATE OR**

Version 2.8

Revision Date 03.08.2017

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### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

#### **1.1 Product identifier**

Trade name : CALCINATE OR

Registration number :

Substance name : Ca Sulfonate

#### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of the Substance/Mixture : Additive

Recommended restrictions on use : Restricted to professional users.

#### **1.3 Details of the supplier of the safety data sheet**

Company: LANXESS Solutions UK Ltd.  
Tenax Road, Trafford Park  
Manchester  
United Kingdom  
M17 1WT

Customer Service: +44 161 875 3800  
Prepared by Product Safety Department  
(US) +1 866-430-2775

Further information for the safety data sheet :  
[msdsrequest@chemtura.com](mailto:msdsrequest@chemtura.com)

#### **1.4 Emergency telephone number**

Emergency telephone number: +44 (0) 1235 239 670 (NCEC)

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

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

##### Additional Labelling:

EUH208 Contains: Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6 271-529-4 01-2119492627-25-0001	Skin Sens.1B; H317	>= 10 - < 20
Sulfonic acids, petroleum, calcium salts	61789-86-4 263-093-9 01-2119488992-18-0001	Skin Sens.1B; H317	>= 1 - < 10
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0 274-263-7 01-2119492616-28-0004	Skin Sens.1B; H317	>= 1 - < 10

For explanation of abbreviations see section 16.

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### **SECTION 4: First aid measures**

#### **4.1 Description of first aid measures**

- |                         |   |   |
|-------------------------|---|---|
| If inhaled              | : | Remove to fresh air.<br>Aspiration may cause pulmonary oedema and pneumonitis.<br>If breathing is difficult, give oxygen.<br>If symptoms persist, call a physician. |
| In case of skin contact | : | Cool skin rapidly with cold water after contact with molten material.<br>Wash off with warm water and soap.<br>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.<br>Obtain medical attention.   |
| If swallowed            | : | Obtain medical attention.<br>Never give anything by mouth to an unconscious person.   |

#### **4.2 Most important symptoms and effects, both acute and delayed**

- |          |   |             |
|----------|---|-------------|
| Symptoms | : | None known. |
|----------|---|-------------|

#### **4.3 Indication of any immediate medical attention and special treatment needed**

- |           |   |  |
|-----------|---|--|
| Treatment | : | For specialist advice physicians should contact the Poisons Information Service. |
|-----------|---|--|

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

- |                                |   |  |
|--------------------------------|---|--|
| Suitable extinguishing media   | : | (on small fires)<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical<br>Dry sand<br>Extinguishing media - large fires<br>Foam<br>Water mist |
| Unsuitable extinguishing media | : | High volume water jet  |

#### **5.2 Special hazards arising from the substance or mixture**

- |                                      |   |  |
|--------------------------------------|---|--|
| Specific hazards during firefighting | : | Do not use a solid water stream as it may scatter and spread fire. |
|--------------------------------------|---|--|

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**5.3 Advice for firefighters**

Special protective equipment for firefighters : Wear a positive-pressure supplied-air respirator with full facepiece. Use personal protective equipment.

Further information : Cool containers/tanks with water spray.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Wear suitable protective equipment.

**6.2 Environmental precautions**

Environmental precautions : Should not be released into the environment.  
Do not flush into surface water or sanitary sewer system.

**6.3 Methods and material for containment and cleaning up**

Methods for 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).  
Pick up and transfer to properly labelled containers.

**6.4 Reference to other sections**

Refer to protective measures listed in sections 7 and 8.

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with skin, eyes and clothing.  
Wear suitable protective equipment.  
Keep tightly closed.  
Protect from contamination.  
Ensure all equipment is electrically grounded before beginning transfer operations.

Hygiene measures : Take precautionary measures against static discharges.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.

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Further information on storage conditions : Keep away from oxidizing agents.

Other data : Stable under recommended storage conditions.

### 7.3 Specific end use(s)

Specific use(s) : Raw material for industry

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
calcium carbonate	471-34-1	VME	10 mg/m3	FR VLE

### 8.2 Exposure controls

#### Engineering measures

Highly effective exhaust ventilation  
Ensure that eyewash stations and safety showers are close to the workstation location.

#### Personal protective equipment

Eye protection : Tightly fitting safety goggles

Hand protection

: Impervious gloves

Skin and body protection : Impervious clothing

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.  
Respirator with combination filter for vapour/particulate (EN 141)

#### Environmental exposure controls

General advice : Should not be released into the environment., Do not flush into surface water or sanitary sewer system.

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	: viscous liquid
Colour	: brown
Odour	: mild, hydrocarbon-like
Odour Threshold	: No data available
pH	: No data available
Melting point/range	: No data available
Boiling point/boiling range	: > 275 °C
Flash point	: > 180 °C Method: open cup
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: > 1 (25 °C)
Density	: No data available
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

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Viscosity  
Viscosity, dynamic : 60.0 - 90.0 mPa.s (100 °C)  
Method: ASTM D 445

Viscosity, kinematic : > 30 mm<sup>2</sup>/s (40 °C)

**9.2 Other information**

Self-Accelerating  
decomposition temperature  
(SADT) : Method: No information available.

Oxidizing potential : No information available.

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**SECTION 10: Stability and reactivity****10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

No decomposition if stored and applied as directed.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : Hazardous polymerisation does not occur.

**10.4 Conditions to avoid**

Conditions to avoid : Exposure to moisture  
Contamination

**10.5 Incompatible materials**

Materials to avoid : Oxidizing agents  
Acids and bases

**10.6 Hazardous decomposition products**

Hazardous decomposition  
products : Carbon oxides  
Sulphur oxides  
Metal oxides

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Product:**

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

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

**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

**Skin corrosion/irritation****Product:**

Remarks: No data available

**Serious eye damage/eye irritation****Respiratory or skin sensitisation****Product:**

Result: Does not cause skin sensitisation.

**Components:****Benzenesulfonic acid, C10-16-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

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

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



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**Germ cell mutagenicity**

**Product:**

Germ cell mutagenicity  
Assessment : No data available

**Carcinogenicity**

**Product:**

Carcinogenicity  
Assessment : No data available

**Reproductive toxicity**

**Product:**

Reproductive toxicity  
Assessment : No data available

**STOT - single exposure**

**Product:**

Remarks: No data available

**STOT - repeated exposure**

**Product:**

Remarks: No data available

**Aspiration toxicity**

**Product:**

No aspiration toxicity classification

**Further information**

**Product:**

Remarks: No data is available on the product itself.

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Product:**

Toxicity to fish : Remarks: No data available

**Components:**

**Sulfonic acids, petroleum, calcium salts:**

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- 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  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 201  
GLP: yes

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Result: No data available

**Components:**

**Sulfonic acids, petroleum, calcium salts:**

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

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available

### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: No data available

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**12.5 Results of PBT and vPvB assessment****Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects****Product:**

Additional ecological information : Remarks: Avoid release to the environment. The product itself has not been tested.

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

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

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**SECTION 14: Transport information****14.1 UN number**

Not regulated as a dangerous good

**14.2 UN proper shipping name**

Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

Not regulated as a dangerous good

**14.4 Packing group**

Not regulated as a dangerous good

**14.5 Environmental hazards**

Not regulated as a dangerous good

**14.6 Special precautions for user**

Remarks : If shipped or transported at temperatures over 100°C (212°F) and in containers greater than 450 liters (119 gal) regulated as: ELEVATED TEMPERATURE LIQUID, N.O.S., Class 9, UN 3257, PGIII, ERG 128.  
Not classified as dangerous in the meaning of transport regulations.

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

Not applicable for product as supplied.

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants

Not applicable

**Major Accident Hazard Legislation**

Seveso Directive

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

**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	: 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
TCSI	: On the inventory, or in compliance with the inventory
US.TSCA	: On TSCA Inventory

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### 15.2 Chemical safety assessment

No information available.

### SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

#### Emergency Phone Number

<u>Europe:</u>	All European Countries	+44 (0) 1235 239 670 (NCEC)
<u>Asia Pacific:</u>	East / South East Asia – Regional Number	+65 3158 1074 (NCEC)
	Australia	+61 2 8014 4558
	New Zealand	+64 9929 1483 (NCEC)
	China	+86 512 8090 3042 (NCEC)
	Taiwan	+886 2 8793 3212 (NCEC)
	Japan	+81 3 4578 9341 (NCEC)
	Indonesia	007 803 011 0293 (NCEC)
	Malaysia	+60 3 6207 4347 (NCEC)
	Thailand	001 800 120 666 751 (NCEC)
	Korea	+65 3158 1285 (NCEC)
	Vietnam	+84 8 4458 2388 (NCEC)
	India	+65 3158 1198 (NCEC)
	Pakistan	+65 3158 1329 (NCEC)
	Philippines	+65 3158 1203 (NCEC)
	Sri Lanka	+65 3158 1195 (NCEC)
	Bangladesh	+65 3158 1200 (NCEC)
<u>Middle East / Africa:</u>		+44 (0) 1235 239 671 (NCEC)
<u>North America</u>	United States of America (USA)	(800) 424-9300 (CHEMTREC)
	Canada	(800) 424-9300 (CHEMTREC)
<u>Latin America</u>	Mexico	+52 555 004 8763 (NCEC)
	Brazil	+55 11 3197 5891 (NCEC)
	Chile	+56 2 2582 9336 (NCEC)
	All other countries	+44 (0) 1235 239 670 (NCEC)

### Further information

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