



**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

**CALCINATE C-400 CLR**

Version 1.5

Revision Date 12.01.2015

Print Date 23.06.2015

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Trade name : CALCINATE C-400 CLR

Substance name : Calcium sulfonate

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

Use of the : Additive

Substance/Mixture

Recommended restrictions : Restricted to professional users.  
on use

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

Company: Chemtura Manufacturing UK Limited  
Tenax Road, Trafford Park  
Manchester  
United Kingdom  
M17 1WT

Customer Service: +44 161 875 3800  
Prepared by msdsrequest@chemtura.com

Further information for the safety data sheet :  
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.

**2. Hazards identification**

**2.1 Classification of the substance or mixture**

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



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Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**Classification (67/548/EEC, 1999/45/EC)**

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

**2.2 Label elements**

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

Hazard statements : Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Supplemental Hazard Statements :

**2.3 Other hazards**

No information available.

**3. Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous components**

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6 271-529-4	Xi; R43	Skin Sens. 1B; H317	>= 10 - < 20
Sulfonic acids, petroleum, calcium salts	61789-86-4 263-093-9	Xi; R43	Skin Sens. 1B; H317	>= 1 - < 10
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0 274-263-7	Xi; R43	Skin Sens. 1B; H317	>= 1 - < 10

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

**4. First aid measures**

**4.1 Description of 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.



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- 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.  
Obtain medical attention.
- If swallowed : Obtain medical attention.  
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.

**5. Firefighting measures**

**5.1 Extinguishing media**

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Dry sand  
Extinguishing media - large fires  
Foam  
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.  
Burning produces irritant fumes.  
Exposure to decomposition products may be a hazard to  
health.

**5.3 Advice for firefighters**

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.
- Further information : Cool containers/tanks with water spray.



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**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.  
Avoid subsoil penetration.

**6.3 Methods and materials 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.  
Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

Refer to protective measures listed in sections 7 and 8.

**7. Handling and storage**

**7.1 Precautions for safe handling**

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.

**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.  
Protect from contamination.

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

Other data : Stable under recommended storage conditions.



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**7.3 Specific end use(s)**

Specific use(s) : Raw material for industry

**8. Exposure controls/personal protection**

**8.1 Control parameters**

Contains no substances with occupational exposure limit values.

**8.2 Exposure controls**

**Engineering measures**

Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

Respiratory protection : Not required; except in case of aerosol formation.  
Respirator with combination filter for vapour/particulate (EN 141).  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection : Impervious gloves

Eye protection : Tightly fitting safety goggles

Skin and body protection : impervious clothing

**Environmental exposure controls**

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

**9. Physical and chemical properties**

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

Appearance : viscous liquid

Colour : brown

Odour : mild, hydrocarbon-like



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Odour Threshold : No information available.  
Flash point : > 180 °C

Method: open cup

Ignition temperature : No information available.

Lower explosion limit : No data available

Upper explosion limit : No data available  
Flammability (solid, gas) : No information available.  
Auto-ignition temperature : No information available.  
pH : No information available.  
Boiling point/boiling range : Note: No data available

Vapour pressure : < 0,0008 hPa

Density : No information available.  
Relative density :

at No data available

Water solubility :  
negligible

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

Solubility in other solvents :  
partly soluble

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

Relative vapour density : No information available.  
Evaporation rate : No information available.

**9.2 Other information**

Oxidising potential : Note: No information available.

**10. Stability and reactivity**

**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**



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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

**10.6 Hazardous decomposition products**

Hazardous decomposition products : Carbon oxides  
Sulphur oxides

**11. Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

Acute oral toxicity : LD50: > 20.000 mg/kg  
Species: Rat  
Remarks: Information given is based on data obtained from similar substances.

Acute oral toxicity  
Sulfonic acids, petroleum, calcium salts : LD50: > 5.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 401

Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts : LD50: > 5.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 401

Acute inhalation toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity  
Sulfonic acids, petroleum, calcium salts : LD50: > 4.000 mg/kg  
Species: Rabbit  
Method: OECD Test Guideline 402

Benzenesulfonic acid, mono- : LD50: > 2.000 mg/kg



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C16-24-alkyl derivs., calcium salts

Species: Rat  
Method: OECD Test Guideline 402

**Skin corrosion/irritation**

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

**Serious eye damage/eye irritation**

Eye irritation : Remarks: No data available

**Respiratory or skin sensitisation**

Sensitisation : Remarks: Does not cause skin sensitisation.

Sensitisation

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

**Mutagenicity Assessment**

Remarks : Not classified due to lack of data.

**Carcinogenicity Assessment**

Remarks : Not classified due to lack of data.

**Target Organ Systemic Toxicant - Single exposure**

: Remarks: Not classified due to lack of data.

**Target Organ Systemic Toxicant - Repeated exposure**

: Remarks: Not classified due to lack of data.

**Aspiration hazard**

Aspiration toxicity : No aspiration toxicity classification

**Toxicology Assessment**

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





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**12. Ecological information**

**12.1 Toxicity**

Toxicity to fish :  
Remarks:  
No data available

Toxicity to fish  
Sulfonic acids, petroleum,  
calcium salts : LC50: > 10.000 mg/l  
Exposure time: 96 h  
  
Species: Cyprinodon variegatus (sheepshead minnow)  
static test Method: OECD Test Guideline 203

**12.2 Persistence and degradability**

Biodegradability : Result: No data available

Biodegradability  
Sulfonic acids, petroleum,  
calcium salts : aerobic  
Result: Not readily biodegradable.  
8,6 %

Benzenesulfonic acid, mono-  
C16-24-alkyl derivs., calcium  
salts : aerobic  
Result: According to the results of tests of biodegradability this  
product is not readily biodegradable.  
8 %  
Method: OECD Test Guideline 301

**12.3 Bioaccumulative potential**

Bioaccumulation : Remarks:  
No data available

**12.4 Mobility in soil**

Mobility : Remarks:  
No data available



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**12.5 Results of PBT and vPvB 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**

Additional ecological information : No information on ecology is available.

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

**13. Disposal considerations**

**13.1 Waste treatment methods**

Product : In accordance with local and national regulations.

**14. Transport information**

**ADR**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

**RID**

Not dangerous goods

**Special precautions for user** :

Not classified as dangerous in the meaning of transport regulations.

**15. Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**



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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).

Major Accident Hazard Legislation : 96/82/EC Update: 2003  
Directive 96/82/EC does not apply

Water contaminating class (Germany) : WGK 1 slightly water endangering

### **Notification status**

US.TSCA : On TSCA Inventory  
DSL : All components of this product are on the Canadian DSL.  
NZIoC : On the inventory, or in compliance with the inventory  
AICS : 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

### **15.2 Chemical Safety Assessment**

No information available.

### **16. Other information**

#### **Full text of R-phrases referred to under sections 2 and 3**

R43 May cause sensitisation by skin contact.

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

H317 May cause an allergic skin reaction.

#### **Further information**

### **Carechem24 International Worldwide Coverage**

#### **Emergency Phone Number**

Europe:	All European Countries	+44 (0) 1235 239 670 (NCEC)
Asia Pacific:	East / South East Asia – Regional Number	+65 3158 1074
	Australia	+61 2801 44558
	New Zealand	+64 9929 1483
	China Taiwan	+86 10 5100 3039



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	Japan	+81 345 789 341
	Indonesia	00780 3011 0293
	Malaysia	+60 3 6207 4347
	Thailand	001800 1 2066 6751
	Korea	+65 3158 1285
	Vietnam	+65 3158 1255
	India	+65 3158 1198
	Pakistan	+65 3158 1329
	Philippines	+65 31581203
	Sri Lanka	+65 3158 1195
	Bangladesh	+65 3158 1200
<u>Middle East / Africa:</u>	Arabic speaking countries	+44 (0) 1235 239 671
	All other countries	+44 (0) 1235 239 670
<u>America</u>	United States / Canada	001866 928 0789
<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
	Mexico	+52 555 004 8763

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