



# SAFETY DATA SHEET

## CALCINATE™ C-300CS

Version: 1.1

Revision Date: 03/31/2015

Print Date: 04/21/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: CALCINATE™ C-300CS

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  
(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

Group 3: Not classifiable as to its carcinogenicity to humans  
Distillates (petroleum), 64742-65-0  
solvent-dewaxed heavy  
paraffinic

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



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Chemical Name	CAS-No.	Concentration (%)
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	>= 30 - < 50 %
calcium carbonate	471-34-1	>= 10 - < 20 %
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	>= 10 - < 20 %
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	>= 10 - < 20 %
Sulfonic acids, petroleum, calcium salts	61789-86-4	>= 1 - < 5 %
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0	>= 1 - < 5 %
calcium dihydroxide	1305-62-0	>= 1 - < 5 %

### SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.  
Aspiration may cause pulmonary oedema and pneumonitis.  
If breathing is difficult, give oxygen.  
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 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.  
Get medical attention immediately.
- If swallowed : Obtain medical attention.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : irritant effects
- 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 (CO<sub>2</sub>)  
Dry chemical  
Dry sand  
Extinguishing media - large fires  
Foam  
Water mist
- Unsuitable extinguishing media : Water spray jet
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.  
Burning produces irritant fumes.



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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.

### 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). Pick up and transfer to properly labelled containers.

### SECTION 7. HANDLING AND STORAGE

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.

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

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-	64741-88-4	TWA (Mist)	5 mg/m3	OSHA Z-1



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refined heavy paraffinic				
		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 carbonate	471-34-1	TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
Distillates (petroleum), solvent- dewaxed heavy paraffinic	64742-65-0	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
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA	5 mg/m3	OSHA P0
		TWA	5 mg/m3	NIOSH REL

**Engineering measures** : Effective exhaust ventilation system  
Ensure that eyewash stations and safety showers are close to the workstation location.

#### Personal protective equipment

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

Hand protection  
Remarks : Impervious gloves

Eye protection : Tightly fitting safety goggles

Skin and body protection : impervious clothing

Hygiene measures : Take precautionary measures against static discharges.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : viscous liquid



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Color : brown  
Odor : mild hydrocarbon-like  
Odour Threshold : No data available  
: Not applicable  
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 : No data available  
Relative vapour density : No data available  
Relative density : > 1 (25 °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  
  
Viscosity  
Viscosity, kinematic : > 30 mm<sup>2</sup>/s (40 °C)

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.  
Chemical stability : No decomposition if stored normally.  
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



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Sulphur oxides  
Metal 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  
Sulfonic acids, petroleum,  
calcium salts (Component) : LD50: > 4,000 mg/kg  
Species: Rabbit  
Method: OECD Test Guideline 402

Benzenesulfonic acid, mono-  
C16-24-alkyl derivs., calcium  
salts (Component) : LD50: > 2,000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 402

Skin irritation  
calcium carbonate  
(Component) : Species: Rabbit  
Result: No skin irritation

calcium dihydroxide  
(Component) : Result: Irritating to skin.

Eye irritation  
calcium carbonate  
(Component) : Species: Rabbit  
Result: No eye irritation

calcium dihydroxide  
(Component) : Species: Rabbit  
Result: Risk of serious damage to eyes.  
Method: Draize Test

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

Reproductive toxicity  
calcium carbonate  
(Component) : Species: Rat  
Application Route: Oral

Aspiration toxicity (Product) : No aspiration toxicity classification

CMR effects  
calcium carbonate : Teratogenicity: No effects on or via lactation



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(Component)

Reproductive toxicity: No toxicity to reproduction

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

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

Toxicity to fish (Product)

: Remarks:  
No data available

Toxicity to daphnia and other aquatic invertebrates

Sulfonic acids, petroleum, calcium salts (Component) : EC50: > 100 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
static test Method: OECD Test Guideline 202

Toxicity to algae

Sulfonic acids, petroleum, calcium salts (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:  
No data available

Biodegradability (Product)

: Result: No data available

#### Further information on ecology

##### Ecotoxicology Assessment

Acute aquatic toxicity

calcium dihydroxide : Harmful to aquatic life.





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(Component)

calcium dihydroxide :

(Component)

calcium dihydroxide :

(Component)

calcium dihydroxide :

(Component)

calcium dihydroxide :

(Component)

Results of PBT assessment (Product)

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological : There is no data available for this product.

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

#### IATA

Not dangerous goods

#### IMDG

Not dangerous goods

Additional advice: Not classified as dangerous in the meaning of transport regulations.



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### 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.

**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

**CH INV**

The formulation contains substances listed on the Swiss 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



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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.