



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**



SAFETY DATA SHEET

CALCINATE™ C-300CS

Version: 1.1

Revision Date: 03/31/2015

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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



SAFETY DATA SHEET

CALCINATE™ C-300CS

Version: 1.1

Revision Date: 03/31/2015

Print Date: 04/21/2015

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 (CO₂)
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.



SAFETY DATA SHEET

CALCINATE™ C-300CS

Version: 1.1

Revision Date: 03/31/2015

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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



SAFETY DATA SHEET

CALCINATE™ C-300CS

Version: 1.1

Revision Date: 03/31/2015

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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



SAFETY DATA SHEET

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Version: 1.1

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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 mm²/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



SAFETY DATA SHEET

CALCINATE™ C-300CS

Version: 1.1

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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



SAFETY DATA SHEET

CALCINATE™ C-300CS

Version: 1.1

Revision Date: 03/31/2015

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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.



SAFETY DATA SHEET

CALCINATE™ C-300CS

Version: 1.1

Revision Date: 03/31/2015

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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.



SAFETY DATA SHEET

CALCINATE™ C-300CS

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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



SAFETY DATA SHEET

CALCINATE™ C-300CS

Version: 1.1

Revision Date: 03/31/2015

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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.