



# SAFETY DATA SHEET

## CALCINATE™ C-400 W

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: CALCINATE™ C-400 W

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

Skin sensitisation : Category 1

#### GHS Label element

Signal word : **Warning**



# SAFETY DATA SHEET

## CALCINATE™ C-400 W

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

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 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

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

## SECTION 4. FIRST AID MEASURES



# SAFETY DATA SHEET

## CALCINATE™ C-400 W

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

- 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.
- 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.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

### SECTION 5. FIREFIGHTING MEASURES

- 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
- 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.
- 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, : Wear suitable protective equipment.



# SAFETY DATA SHEET

## CALCINATE™ C-400 W

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

protective equipment and emergency procedures

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. Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

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.

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

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-refined heavy paraffinic	64741-88-4	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m <sup>3</sup>	ACGIH
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA P0
calcium carbonate	471-34-1	TWA (Respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL

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



# SAFETY DATA SHEET

## CALCINATE™ C-400 W

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

### 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  
Remarks : Impervious gloves
- Eye protection : Tightly fitting safety goggles
- Skin and body protection : impervious clothing

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : viscous liquid
- 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 : < 0.0008 hPa (20 °C)
- Relative vapour density : No data available
- Relative 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
- Viscosity



# SAFETY DATA SHEET

## CALCINATE™ C-400 W

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

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 and applied as directed.

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  
Sulphur 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

Eye irritation (Product) : Remarks: No data available

Sensitisation (Product) : Remarks: Does not cause skin sensitisation.



# SAFETY DATA SHEET

## CALCINATE™ C-400 W

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

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

Aspiration toxicity (Product) : No aspiration toxicity classification

CMR effects  
calcium carbonate  
(Component) : Teratogenicity: No effects on or via lactation  
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



# SAFETY DATA SHEET

## CALCINATE™ C-400 W

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

Mobility (Product) : Remarks:  
No data available

Biodegradability (Product) : Result: No data available

### Further information on ecology

#### Ecotoxicology Assessment

Results of PBT assessment (Product)

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

Additional ecological : No information on ecology is available.

information (Product)

---

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

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

---

### 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-400 W

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

### SECTION 15. REGULATORY INFORMATION

**TSCA list** : Not relevant  
Not relevant

#### **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:**

<b>US.TSCA</b>	On TSCA Inventory
<b>DSL</b>	All components of this product are on the Canadian DSL.
<b>NZIoC</b>	On the inventory, or in compliance with the inventory
<b>AICS</b>	On the inventory, or in compliance with the inventory
<b>ENCS</b>	On the inventory, or in compliance with the inventory
<b>KECI</b>	On the inventory, or in compliance with the inventory
<b>PICCS</b>	On the inventory, or in compliance with the inventory
<b>IECSC</b>	On the inventory, or in compliance with the 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-400 W**

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

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.