

# CA4840 Calcium Stearate Dispersion, 50%, Low pH Safety Data Sheet



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

### 1.1 Product identifier

Product type : Mixture  
Trade name : CA4840 Calcium Stearate Dispersion, 50%, Low pH  
Label name : CA4840 Calcium Stearate Dispersion, 50%, Low pH  
Chemical name : Calcium Stearate Dispersion  
CAS number : Mixture.  
EC number : None.

### 1.2 Recommended and restricted uses of the substance or mixture

Recommended uses : Lubricants  
Restricted uses : None known.

### 1.3 Company identification

Company name : Chemical Associates – A Division of Univar USA Inc.  
Company address : 1270 South Cleveland Massillon Road  
: Copley, OH 44321-1683  
Company telephone : 330-666-5200

### 1.4 Emergency telephone number

Company emergency telephone : 800-347-2891  
CHEMTREC telephone : 800-424-9300

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification (29CFR1910.1200 Appendix A) : Eye irritation category 2B.  
: Skin irritation category 3.  
GHS physical hazard : None identified  
GHS health hazard : Eye irritation category 2B.  
: Skin irritation category 3.  
GHS environmental hazard : None Identified

### 2.2 Label warnings of the substance or mixture

Signal word : Warning.  
Hazard statements : H316 Causes mild skin irritation

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Precautionary statements : H320 Causes eye irritation.  
: P264 Wash hands thoroughly after handling.  
: P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
: P332+313 If skin irritation occurs: Get medical advice/attention.  
: P337+313: If eye irritation persists get medical advice/attention.

Hazard symbol (pictogram)



### 2.3 Hazards not otherwise classified

Other hazards : No additional information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Chemical name	Common name	Percent	CAS number	Health hazard
Not applicable.				

### 3.2 Mixtures

Chemical name	Common name	Typical %	CAS number	Health hazard
Octadecanoic acid, calcium salt	Calcium Stearate	<50	1592-23-0	Irritant
Water	Water	50	7732-18-5	None
Alcohols, ethoxylated	Ethoxylated linear alcohol	<3	7732-18-5	None

## SECTION 4: First-aid measures

### 4.1 Description of first-aid measures

Exposure route	First-aid measure
Inhalation	: Remove the victim into fresh air. Observe victim's breathing. If breathing is labored seek immediate medical attention.
Skin contact	: Wash immediately with soap and water. If irritation occurs, seek medical attention. Launder contaminated clothing.
Eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses if present and easy to do. If irritation persists, seek immediate medical (ophthalmologist) attention.
Ingestion	: Rinse mouth with plenty of water. For ingestion of large quantities seek immediate medical attention. Do not induce vomiting. Contact poison control center.

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

Symptoms after inhalation	: May experience dizziness and headache. : Irritation of the nose and throat.
Symptoms after skin contact	: Mild irritation of the skin may occur.
Symptoms after eye contact	: Irritation of the eye tissue. : May cause corneal inflammation.
Symptoms after ingestion	: Mild tingling of the tongue and mouth. : May cause gastrointestinal irritation, nausea and vomiting.

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

Treatment after inhalation	: If breathing is labored seek immediate medical attention.
Treatment after skin contact	: If skin irritation persists seek immediate medical attention.
Treatment after eye contact	: If eye irritation persists seek immediate ophthalmologist attention.
Treatment after ingestion	: If ingestion of a large quantity seek immediate poison control center.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable media	: Carbon dioxide, alcohol resistant foam and water spray.
Unsuitable media	: None known.

### 5.2 Specific hazards arising from the substance or mixture

Direct fire hazard	: Not flammable.
Indirect fire hazard	: Exposure to temperature above the flash point (>100°C).
Explosive hazard	: Exposure to temperature above the flash point (>100°C).
Reactivity	: Reactivity with strong oxidizers.
Combustion products	: Carbon dioxide and carbon monoxide.

### 5.3 Special protective equipment and precautions for fire-fighters

Protective equipment	: Full protective clothing. : Self contained breathing apparatus.
Precautions	: No additional information.
Emergency response guide	: Not a hazardous material.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Mixture is an irritant. If mixture is a hot mist or dust, stay upwind.
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Protective equipment : Wear rubber gloves, rubber boots, face shield and chemical hazard suit. If material is a hot mist or dust wear dust mask or self contained breathing apparatus.

Emergency procedures : Dike spillage. Pick up with suitable absorbent material. Place in appropriately labeled waste containers. . Keep away from streams, rivers and lakes.

### 6.2 Environmental precautions

Precautions : Do not discharge into drains/surface waters/groundwater.

### 6.3 Methods and materials for containment and cleanup

Methods : Use chemical absorbent pigs or manually spread chemical absorbent onto hot liquid spill area. After the mixture is absorbed, dispose in approved waste facility.

Materials : Approved materials include dry earth, sand, clay, chemical absorbent, vermiculite and carbon.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handling temperature : About 10 - 20°C above the melt point (0°C). DO NOT ALLOW TO FREEZE.

Handling equipment : Rubber hoses or stainless steel (grade 316) lines. Stainless steel (grade 316) for pumps.

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

Storage area : Store in dry area. Store at room temperature. Store in dyke area to contain any spills. Protect from heat.

Packaging materials : Polyethylene, stainless steel (grade 316), rubber lined or epoxy lined tanks or drums. Graphite or rubber gaskets.

Incompatibilities : Strong oxidizers.

## SECTION 8: Exposure controls/personal protection

### 8.1 Exposure controls

OSHA PEL : None.

ACGIH TLV : TWA 10 mg/m<sup>3</sup> (for octadecanoic acid, calcium salt).

NIOSH REL : None.

### 8.2 Appropriate engineering controls

Engineering controls : If dust exists, install ventilation equipped with carbon canisters.

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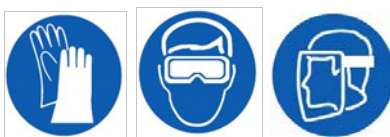


Ventilation should be 10 air exchanges per hour. Local exhaust ventilation is recommended.

### 8.3 Personal protection equipment

Personal protective equipment : Rubber gloves and safety glasses. Wear face shield if splashing hazard exists.

Personal protective equipment pictograms :



## SECTION 9: Physical and chemical properties

### 9.1 Physical and chemical properties

Appearance	: White, opaque liquid dispersion
Odor	: Mild
Odor threshold	: No data available.
pH	: 7 - 10
Melting point	: Approximately 0°C.
Boiling point	: Approximately 100°C.
Flash point	: > 100°C.
Evaporation rate	: No data available.
Flammability	: Not flammable.
Lower flammability limit	: No data available.
Upper flammability limit	: No data available.
Vapor pressure	: No data available.
Vapor density	: No data available.
Density	: > 1.01 g/cm <sup>3</sup> 20°C.
Solubility	: Dispersible in water.
Partition coefficient for n-octanol/water	: No data available.
Auto-ignition temperature	: Based upon the water content the product does not ignite.
Decomposition temperature	: No data available.
Viscosity	: 100 – 500 cps

### 9.2 Other information

Other information : No additional information available.

## SECTION 10: Stability and reactivity

Reactivity : May react violently with oxidizers.

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Chemical stability	: Stable under storage conditions.
Possibility of hazardous reactions	: Hazardous polymerization does not occur.
Conditions to avoid	: Do not allow to freeze (0°C)
Incompatible materials	: Oxidizers and strong bases.
Hazardous decomposition products	: Carbon dioxide and carbon monoxide.

### SECTION 11: Toxicological information

#### 11.1 Information on the likely routes of exposure

Inhalation exposure	: From mist or dust.
Skin exposure	: From mist or dust
Ingestion exposure	: Not a likely route of exposure.
Eye contact	: From mist or dust

#### 11.2 Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	: Labored breathing and irritation of the lungs may occur.
Skin contact	: Mild skin irritation may occur.
Ingestion	: Mild irritation of the mouth, tongue, esophagus and stomach may occur.
Eye contact	: Mild eye irritation may occur.

#### 11.3 Delayed and immediate effects and also chronic effects from short and long term exposure

Inhalation	: Chronic effects are not known.
Skin contact	: Chronic effects are not known.
Ingestion	: Chronic effects are not known.
Eye contact	: Chronic effects are not known.

#### 11.4 Numerical measures of toxicity

Oral LD50	: Rat > 5000mg/kg. No mortality was observed. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Skin LD50	: Guinea pig > 3000mg/l. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Literature data.
Ingestion LD50	: Virtually nontoxic after a single ingestion.
Inhalation LC50	: Rat > 200mg/l (1 hr). The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Skin primary irritation	: Rabbit. Result: non-irritant. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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Eye primary irritation : Rabbit. Draize test result: slightly irritating. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### 11.5 Carcinogenicity

National Toxicology Program : Not listed.  
International Agency for  
Research on Cancer : Not listed.  
OSHA : Not listed.  
NIOSH : Not listed.

### 11.6 Other toxicological information

Reproductive toxicity : Not classified.  
Germ cell mutagenicity : Not classified.  
Respiratory or skin sensitization : Not classified.  
Specific target organ toxicity,  
single exposure : No data available.  
Specific target organ toxicity,  
repeated exposure : No data available.  
Aspiration hazard : No data available.

## SECTION 12: Ecological information

### 12.1.1 Ecotoxicity aquatic

Fish : Leuciscus idus (OECD 203; ISO 7346; 84/449/EEC, C.1). No toxic effects occur within the range of solubility. The statement has been derived from substances/products of a similar structure or composition.  
Bacteria EC50 : > 100mg/l. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.  
Rotifer EC50 : No data available.  
Algae EC50 : No data available.

### 12.1.2 Ecotoxicity terrestrial

Avian LC50 : No data available

### 12.2 Persistence and degradability

Water : Readily biodegradable (according to OECD criteria). The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.  
Soil : No data available.

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Air : No data available.

### 12.3 Bio-accumulative potential

Log Kow : No data available.

### 12.4 Mobility in soil

Surface tension : No data available.

Soil mobility : No data available.

### 12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment : No data available.

### 12.6 Other adverse effects

Air : Not dangerous to the ozone layer.

Water : None.

## SECTION 13: Disposal considerations

### 13.1 Description of waste residues

Storage tank residues : Hot liquid residue from tank cleaning.

Empty package residues : Solid residue remaining in emptied bag or drum container.

Transport trailer residues : Hot liquid residue from transport trailer cleaning.

Absorbent material : Solid absorbent containing mixture from a spill.

### 13.2 Safe handling of waste residues

Storage tank residues : Refer to section 7 for safe handling.

Empty package residues : Refer to section 7 for safe handling.

Transport trailer residues : Refer to section 7 for safe handling.

Absorbent material : Refer to section 7 for safe handling.

### 13.3 Methods of disposal

Storage tank residues : Dispose via an approved incineration facility.

: Dispose via an approved land fill facility.

Empty package residues : Dispose only in accordance with local, state and federal regulations.

: Remove drum package to an approved package cleaning and recycling facility.

Transport trailer residues : Dispose only in accordance with local, state and federal regulations.

: Clean transport trailer at an approved cleaning facility.

: Disposal of cleaning residues must be in accordance with local, state



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Absorbent material and federal regulations.  
: Dispose via an approved incineration facility.  
: Dispose via an approved land fill facility.  
: Dispose only in accordance with local, state and federal regulations.

### 13.4 Hazardous waste classification (RCRA)

Classification	Regulation	Listed	Hazardous waste number
Ignitability	40CFR261.21	No	
Corrosivity	40CFR261.22	No	
Reactivity	40CFR261.23	No	
Toxicity	40CFR261.24	No	

## SECTION 14: Transport information

### 14.1 UN number

UN number : None.

### 14.2 UN proper shipping name

Proper shipping name : None.

### 14.3 Transport hazard class

Hazard class : None.

Hazard label : None.

Hazard pictogram : None.

### 14.4 Packing group

Packing group : None.

### 14.5 Environmental hazards

Marine pollutant : Not listed.

### 14.6 Transport in bulk

US DOT : Not regulated.

IMDG : Not regulated.

IATA : Not regulated.

MARPOL 73/78 : Not regulated.

IBC code : Not regulated.

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### 14.7 Special precautions for user

Special precautions : No additional information available.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the substance or mixture

#### 15.1.1 US regulations

SARA 302 (40CFR355) : Not listed.  
SARA 311/312 (40CFR370.66) : Not listed.  
SARA 313 (40CFR372.65) : Not listed.  
CERCLA (40CFR302.4) : Not listed.  
California proposition 65 : Not listed.  
German WGK class : 1 (low hazard to waters).

#### 15.1.2 Chemical inventories

TSCA USA : Listed.  
AICS Australia : Listed.  
DSL Canada : Listed.  
EC Europe : Listed.  
ECL Korea : Listed.  
IECSC China : Listed.  
ENCS Japan : Listed.  
NzloC New Zealand : Listed.  
PICCS Philippines : Listed.

### 15.2 Chemical safety assessment

Safety assessment :

## SECTION 16: Other information

### 16.1 Hazard ratings

	Health	Flammability	Physical hazards	Instability
HMIS (USA)	1	1	0	
NFPA (USA)	1	0	0	0

### 16.2 Safety Data Sheet information

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## 16.3 Notice to reader

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Chemical Associates – A Division of Univar USA Inc. bears responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.