

# CA5038 C1618 Alcohol

## 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 : CA5038 C1618 Alcohol  
Label name : CA5038 C1618 Alcohol  
Chemical name : 1-Octadecanol, 1-hexadecanol  
CAS number : 67762-30-5  
EC number : 267-009-1

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

Recommended uses : Industrial, cleaners, surfactants, textile additives.  
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) : Not classified.  
GHS physical hazard : Not classified.  
GHS health hazard : Not classified.  
GHS environmental hazard : Not classified.

#### 2.2 Label warnings of the substance or mixture

Signal word : None.  
Hazard statements : None known  
Precautionary statements : None.

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Hazard symbol (pictogram) : None.

### 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
1-Hexadecanol	Cetyl Alcohol	45 - 55	36653-82-4	None
1-Octadecanol	Stearyl alcohol	45 - 55	112-72-1	None
1-Tetradecanol	Myristyl alcohol	0 - 2	112-72-1	Irritant
1-Eicosanol	Arachidyl alcohol	1 - 2	629-96-9	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 develops, 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.

### 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.

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## 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 (165° C).
Explosive hazard	: Exposure to temperature above the flash point (165° 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	: Material will burn, but not ignite readily. : Inhalation of material may be harmful. Contact may cause burns to skin and eyes. : Fire may produce irritating, corrosive and/or toxic gases. : Runoff from fire control may cause pollution.
Emergency response guide	: None.

## SECTION 6: Accidental release measures

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

Personal precautions	: Mixture is not hazardous. If mixture is a mist, stay upwind.
Protective equipment	: Wear rubber gloves, rubber boots, face shield and chemical hazard suit. If material is a mist wear dust mask or self-contained breathing apparatus.
Emergency procedures	: Keep away from streams, rivers and lakes. If mixture is a mist, alert immediate neighborhood to close windows and doors. Contain and dissipate mist via spraying with water.

### 6.2 Environmental precautions

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Precautions : Keep out of streams, rivers and lakes.

## 6.3 Methods and materials for containment and cleanup

Methods : Use chemical absorbent pigs or manually spread chemical absorbent onto 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 (46° C).

Handling equipment : Rubber hoses, aluminum, carbon steel or stainless steel (grade 304) lines. Stainless steel (grade 304) 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, aluminum, carbon steel, stainless steel (grade 304), rubber lined or epoxy lined tanks or drums. Graphite or rubber gaskets.

Incompatibilities : Strong oxidizers, inorganic acids and halogens.

## SECTION 8: Exposure controls/personal protection

### 8.1 Exposure controls

OSHA PEL : None.

ACGIH TLV : None.

NIOSH REL : None.

### 8.2 Appropriate engineering controls

Engineering controls : If dust exists, install ventilation equipped with carbon canisters. 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. Dust mask if mist exists.

Personal protective equipment pictograms :

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## SECTION 9: Physical and chemical properties

### 9.1 Physical and chemical properties

Appearance	: Waxy white solid
Odor	: Mild, sweet pungent odor.
Odor threshold	: No data available.
pH	: No data available. Mixture is not readily soluble in water.
Melting point	: 46° C.
Boiling point	: >300° C.
Flash point	: 165° C, Pensky-Martens Closed Cup.
Evaporation rate	: No data available.
Flammability	: No data available.
Lower flammability limit	: No data available.
Upper flammability limit	: No data available.
Vapor pressure	: 8.83
Vapor density	: No data available.
Relative density	: 0.82 at 60/25°C (water).
Solubility	: Insoluble.
Partition coefficient for n-octanol/water	: No data available.
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available.
Viscosity	: No data available

### 9.2 Other information

Other information : No additional information available.

## SECTION 10: Stability and reactivity

Reactivity	: May react violently with oxidizers.
Chemical stability	: Stable under storage conditions.
Possibility of hazardous reactions	: Hazardous polymerization does not occur.
Conditions to avoid	: Pressure, shock, static discharge or vibration does NOT result in a hazardous condition.
Incompatible materials	: Oxidizers, inorganic acids and halogens.
Hazardous decomposition products	: Carbon dioxide and carbon monoxide.

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### SECTION 11: Toxicological information

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

Inhalation exposure : Not classified.  
Skin exposure : Not classified.  
Ingestion exposure : Not classified.  
Eye contact : Not classified.

#### 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 > 2000 mg/kg, OECD 401.  
Skin LD50 : Rabbit 8000 mg/kg, 24 hours  
Ingestion LD50 : No data available.  
Inhalation LD50 : No data available.  
Skin primary irritation : In vivo, OECD 406. Non-sensitizing.  
Eye primary irritation : No data available.

#### 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 : Ames Test – 5000 In vitro, microgram/plate. OECD 401. Result: Negative; Salmonella typhimurium.  
: Chromosome aberration – In vivo, OECD 474. Result: Negative.

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Respiratory or skin sensitization : Mouse, 24 hours.  
: No data available.  
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 LC50 : 0.4 mg/l 96 hour rainbow trout, Donaldson trout (Oncorhynchus mykiss).  
Daphnia EC50 : 1700 mg/l 48 hour daphnia magna; OECD 202.  
Daphnia NO50 : 47.6 ug/l 96 hours; daphnia magna; EPA OPPTS 850.1300.  
Algae NO50 : 0.0011 mg/l 96 hour green algae; OECD 202.

#### 12.1.2 Ecotoxicity terrestrial

Ecotoxicity terrestrial : No data available.

#### 12.2 Persistence and degradability

Water : 88.4% 60 days.  
: Readily degradable.  
Soil : Koc = 55,000 (estimated for n-tetradecanol).  
: Immobile.  
Air : 14.4 hour half life.

#### 12.3 Bio-accumulative potential

Log Koc : No data available.

#### 12.4 Mobility in soil

Surface tension : No data available  
Soil mobility : Log Koc = 5.67.  
: Immobile.

#### 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.

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Water : No data available.

### SECTION 13: Disposal considerations

#### 13.1 Description of waste residues

Storage tank residues : Liquid residue from tank cleaning.  
Empty package residues : Solid residue remaining in emptied package container.  
Transport trailer residues : 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 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 and federal regulations.  
Absorbent material : 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.



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### 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.

### 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 : Not listed.

#### 15.1.2 Chemical inventories

TSCA USA : Listed.

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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.  
SWISS Switzerland : Unknown.

### 15.2 Chemical safety assessment

Safety assessment : No additional information available.

## SECTION 16: Other information

### 16.1 Hazard ratings

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

### 16.2 Safety Data Sheet information

Revision date (MM/DD/YY) : 01/04/2016  
Supersede date (MM/DD/YY) : 03/02/2011

### 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.