

# Material Safety Datasheet

## Sodium C14-C16 Alpha Olefin Sulfonate

**CALSOFT® AOS-40**

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CALSOFT® AOS-40  
**INCI Name** Sodium C14-16 Olefin Sulfonate  
**Manufacturer:** Pilot Chemical Corporation  
**Supplier:** Chemical Store Inc. (www.ChemicalStore.com)  
 1059 Main Avenue, Clifton, NJ 07011  
**Emergency Telephone Number** Chemical Store 973-420-4972

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %	OSHA PEL
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	36-42	-
Sodium chloride (NaCl)	7647-14-5	<1	-
Sodium sulfate	7757-82-6	<1	-
Water	7732-18-5	56-64	-

### 3. HAZARDS IDENTIFICATION

**Emergency Overview** Irritant  
**Potential Health Effects**  
**Eyes** Contact with eyes may cause irritation.  
**Skin** Substance may cause slight skin irritation..  
**Inhalation** May cause irritation of respiratory tract.  
**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
**Chronic effects** No information available

### 4. FIRST AID MEASURES

**Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.  
**Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.  
 If symptoms persist, call a physician.  
**Inhalation** Move to fresh air. If symptoms persist, call a physician.  
**Ingestion** Drink plenty of water. Do not induce vomiting without medical advice. Consult a physician.

## 5. FIRE-FIGHTING MEASURES

Flammable Properties	Non-flammable water solution.
Flammable Limits	Not Determined.
Hazardous Combustion Products	Oxides of carbon and sulfur.
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	
Method	Water mist may be used to cool closed containers.
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical.
Unusual Fire & Explosive Hazards	None

## 6. ACCIDENTAL RELEASE MEASURES

Small Spillages	Recover all usable material. Soak up balance with sand or dirt. Material is slippery on wet or hard surfaces.
Large Spillages	In case of a large spill by truck, use small spill procedure and a vacuum truck. Call CHEMTREC at 1-800-424-9300.

## 7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Avoid contact with skin, eyes and clothing.
Storage	Containers should be stored at temperatures between 50°F and 100°F.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Eye/Face Protection	Tightly fitting safety goggles. If splashes are likely to occur, wear: Face-shield.
Skin Protection	Wear protective gloves/clothing .
Respiratory Protection	No special protective equipment required, unless workers are exposed to concentrations above the exposure limit.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point/Range	100°C
Vapor Pressure	25 mm Hg @ 25°C
Volatile Weight %	56-64
Water Solubility	Soluble in all proportions
Specific Gravity	1.05
pH	7-9
Odor	Slight
Appearance	Yellow Amber
Physical State	Liquid

**10. STABILITY AND REACTIVIT**

<b>Chemical Stability</b>	Stable under normal conditions.
<b>Unsuitable Materials</b>	Strong oxidizing agents.
<b>Conditions to Avoid</b>	Strong oxidizers.
<b>Hazardous Decomposition Products</b>	None under normal use
<b>Hazardous Polymerization</b>	No information available

**11. TOXICOLOGICAL INFORMATION**

Component	LD50 Oral	LC50 Inhalation	LD50 Dermal
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	2310 mg/kg ( Rat )	-	6300 mg/kg ( Rabbit )
Sodium sulfate	10000 mg/kg ( Rat )	-	-

<b>Eyes</b>	Eye Irritation
<b>Skin</b>	Skin Irritation
<b>Ingestion</b>	Unknown
<b>Inhalation</b>	Unknown
<b>Chronic Toxicity</b>	No information available
<b>Carcinogenicity</b>	Product is not listed.
<b>Hazard Type</b>	Skin/Eye Irritant.

**12. ECOLOGICAL INFORMATION**

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Sodium chloride (NaCl)	-	-	-	EC50 = 1000 mg/L 48 h
Sodium sulfate	-	-	-	EC50 = 2564 mg/L 48 h EC50 = 4547 mg/L 96 h

<b>Ecotoxicity effects</b>	This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.
<b>Chemical Fate</b>	Material is readily biodegradable.

**13. DISPOSAL CONSIDERATIONS**

<b>Waste Disposal Methods</b>	Dispose of contents/container in accordance with local regulation.
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## 14. TRANSPORT INFORMATION

<b>DOT</b>	Not regulated
<b>ICAO</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG/IMO</b>	Not regulated
<b>RID</b>	Not regulated
<b>ADR</b>	Not regulated
<b>ADN</b>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	X	X	-	X	-	X	X	X	X	X
Sodium chloride (NaCl)	X	X	-	X	-	X	X	X	X	X
Sodium sulfate	X	X	-	X	-	X	X	X	X	X
Water	X	X	-	X	-	X	X	X	X	X

### USA

#### Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

## 16. OTHER INFORMATION

<b>Revision Date</b>	08/17/2011
<b>Prepared by</b>	David A. Pollard

#### **Disclaimer**

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