

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 Chemtrec 1-800-424-9300
 Chemical Store Office: 1-973-405-6248

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.
SPECIAL FIRE FIGHTING PROCEDURES	
Method	Water mist may be used to cool closed containers.
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO ₂). 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

Chemical Stability	Stable under normal conditions.
Unsuitable Materials	Strong oxidizing agents.
Conditions to Avoid	Strong oxidizers.
Hazardous Decomposition Products	None under normal use
Hazardous Polymerization	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)	-	-

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

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

13. DISPOSAL CONSIDERATIONS

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

DOT	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
RID	Not regulated
ADR	Not regulated
ADN	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

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

Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.