

MATERIAL SAFETY DATA SHEET
XSA-1416

SECTION 1 - IDENTIFICATION

Oil Chem Technologies
12822 Park One Drive
Sugar Land, TX 77478

EMERGENCY TELEPHONE NUMBERS

INFOTRAC 1-800-535-5053

Trade Name: XSA-1416
Chemical Name: C1416 arylalkyl1 sulfonic acid

SECTION 2 – HAZARDS IDENTIFICATION

HMIS Rating

HEALTH: 3 FIRE: 1 REACTIVITY: 0 Personal protection: X
(Degree of hazard: 4=severe, 3=serious, 2=moderate, 1=slight, 0=minimal)

HEALTH HAZARDS:

SKIN: Causes severe burns.

EYES: Causes severe burns.

INGESTION: Harmful or fatal if ingested.

INHALATION: Causes severe irritation or burns of respiratory system and ulceration of mucous membranes.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS No.	% by Weight
1-tetradecanesulfonic acid, (dimethylphenyl)	671756-61-9	30-70
1-hexadecanesulfonic acid, (dimethylphenyl)	676143-36-5	30-70

SECTION 4 – FIRST-AID MEASURES

INGESTION: Do not induce vomiting. If patient is fully conscious, rinse mouth with water. Have the patient drink from 240-300 mL of water to dilute material in stomach. Obtain medical attention immediately.

INHALATION: Remove to fresh air. Obtain medical attention if symptoms persist.

SKIN: Immediately remove contaminated clothing and shoes. Immediately wash area with soap for 5 minutes, then flush with water for 10 minutes. Next wash with commercial buffering solution until burning ceases or reddening dissipates. Again wash with soap and water for 5 minutes then flush with water for 10 minutes. If reddening persists or open sores or blisters develop see physician. Destroy contaminated shoes and other leather items which can not be decontaminated.

EYES: Immediately flush with large quantities of water on site for 20 to 30 minutes. The eyelids should be held open and away from the eyeball to ensure that all surfaces are flushed thoroughly. Call a physician. Continue water flush up to one hour during transport to a medical facility.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point, F & Method >200°F PMCC	Flammable Limits: NA	LEL,% ND UEL,% ND
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FIRE HAZARDS:

The remaining material will burn after water evaporates.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Protective clothing. In all cases wear self-contained breathing apparatus. When intervention in close proximity, wear acid resistant over suit. After intervention, proceed to clean the equipment (take a shower, remove clothing carefully, clean and check).

EXTINGUISHING MEDIA:

Water fog, dry chemical, CO₂, alcohol resistant foam, water spray

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment.

Environmental precautions

Avoid runoff to sewers or waterways. Product is dispersible in water- May be harmful to aquatic life.

Methods for cleaning up

Try to contain the spill without any risk. Collect leaking liquid in suitable containers. Neutralize the spill with lime, sodium- or calcium carbonate or sodium bicarbonate. Flush afterwards with plenty of water.

Avoid discharge to natural waters and sewers.

Dike to contain spill or absorb with inert material (e.g. sand, earth).

Transfer liquids and solid diking material to suitable containers for recovery or disposal.

Observe government regulations.

SECTION 7 – HANDLING AND STORAGE

Handling precautions

Do not get in eyes, on skin, on clothing. **CORROSIVE**. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep drums tightly closed to prevent contamination. Wear recommended personal protection equipment. Never use pressure to empty drums.

Storage

Corrosive. Isolate from incompatible materials. Store at ambient temperature.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection (Specify Type):

Face masks with acid canisters should be available for brief exposures. Face mask with type AX cartridge in case of emissions; Face mask with type AB cartridge in case of decomposition (see section 10); Self-contained breathing apparatus in all circumstances where the mask and cartridge do not give adequate protection.

Ventilation: General or local mechanical exhaust

Protective Gloves: Neoprene

Eye Protection: Full face shield

Other protection: Eye bath, safety shower, neoprene boots and protective clothing, face shield, hat, or hood.

Work/Hygienic Practices:

Any spill or splash onto protective gear should be washed off as soon as possible to prevent the possibility of spreading the contamination or of the wearer becoming exposed through a leak in the clothing or while removing the clothing.

Special: Use SCBA when entering tanks

Exposure Limits

Component	Type	Value
Xylene	TWA, OSHA	100 ppm 8-hour
	TWA, ACGIH	100 ppm 8-hour
	STEL, ACGIH	125 ppm 15 minutes

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Boiling Point, F:	ND	Specific Gravity (H ₂ O=1):	1.01 typical
Vapor Pressure (mm Hg):	ND	Evaporation Rate:	ND
Vapor Density (Air=1):	ND	(butyl acetate=1)	
pH:	< 2	Viscosity:	> 100 cps
Solubility in Water:	Soluble		
Appearance and Odor:	Red brown liquid with acid odor		

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: STABLE

Hazardous combustion products: Carbon monoxide and carbon dioxide from burning.
Oxides of sulfur.

Hazardous Polymerization: Will not occur

Incompatible Materials: Strong oxidizing agents.
Bases.

SECTION 11 – TOXICOLOGICAL INFORMATION

Carcinogenicity: NO NTP: ND IARC: ND OSHA Regulated: NO

SECTION 12 – ECOLOGICAL INFORMATION

Persistence and Degradability

Material is readily biodegradable in water treatment systems.

Ecotoxicity

The product is expected to be moderately toxic to aquatic organisms.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Information

It is our opinion this product is a RCRA hazardous waste due to its corrosivity. It is the generators responsibility to make their own waste determinations as to the RCRA status of waste they generate. We have not performed a Toxicity Characteristic Leachate Procedure (TCLP) on this product. Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

Non-cleaned packages

Dispose of washing solution in the same way as product

SECTION 14 – TRANSPORT INFORMATION

Proper shipping name: Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with not more than 5 percent free sulfuric acid
 Class: 8, (CORROSIVE MATERIAL)
 UN IDS: UN 2586
 Packing group: III
 Marine pollutant: Marine pollutant
 Freight description road: Cleaning, scouring & washing compound, liquid or powder

SECTION 15 – REGULATORY INFORMATION

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
Xylene	001330-20-7	2.5
RQ 100 pounds For xylene		

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40CFR355 (used for SARA 302 and 304).

Components present in this product at a level which could require reporting under the statute are:
 None

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
Xylene	001330-20-7	2.5

Pennsylvania Right-To-Know Hazardous Substance List-Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
Xylene	001330-20-7	2.5

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
Xylene	001330-20-7	
Arylalkyl xylene sulfonic acid		

EPA Hazard Categories (SARA 311,312): Immediate Health Hazard

U.S. Toxic Substances Control Act (TSCA) Information

The component(s) of this product are listed on the TSCA Chemical Substances Inventory.

CEPA - Domestic Substances List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

SECTION 16 – OTHER INFORMATION

Abbreviations: NA=not applicable, ND=not determined, NE=not established

Last Revision: 20080110

This information is based on data believed by Oil Chem Technologies to be accurate, but no warranty, expressed or implied, is made.