

# MATERIAL SAFETY DATA SHEET

OIL CHEM TECHNOLOGIES

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Product name: XSA-1416

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## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: XSA-1416  
Chemical name: C1416 arylalkyl sulfonic acid  
Supplier: Oil Chem Technologies, Inc.  
12822 Park One Drive  
Sugar Land, TX 77478

Emergency telephone number: INFOTRAC (24 hours) 800-535-5053

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

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COMPONENT	CAS#	CONCENTRATION
1-tetradecanesulfonic acid, (dimethylphenyl)-	671756-61-9	30-70%
1-hexadecanesulfonic acid, (dimethylphenyl)-	676143-36-5	30-70%

## 3. HAZARDS IDENTIFICATION

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### APPEARANCE

**Physical state** Liquid  
**Color** Reddish brown  
**Odor** Acid

### EMERGENCY OVERVIEW

#### DANGER!

CAUSES EYE AND SKIN BURNS.  
HARMFUL OR FATAL IF SWALLOWED.

### POTENTIAL HEALTH EFFECTS

#### Swallowing

##### Acute effects

Harmful or fatal if swallowed.

#### Inhalation

##### Acute effects

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

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## **Skin contact**

### **Acute effects**

Causes severe burns.

## **Eye contact**

### **Acute effects**

Causes severe burns.

## **POTENTIAL ENVIRONMENTAL EFFECTS**

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

## **4. FIRST AID MEASURES**

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### **Swallowing**

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.

### **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.

### **Inhalation**

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

### **Eye contact**

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.

## **5. FIRE-FIGHTING MEASURES**

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**Flash point:** > 94 °C (> 200 °F)

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## 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

Suitable: After water evaporates, the remaining material will burn.

Extinguish with:

- water fog
- dry chemical
- CO<sub>2</sub>
- alcohol resistant foam
- water spray

## 6. ACCIDENTAL RELEASE MEASURES

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### 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.

## 7. HANDLING AND STORAGE

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### HANDLING

#### 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

#### Storage requirements

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

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### PERSONAL PROTECTION

#### Respiratory protection

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.

#### Hand protection / protective gloves

Neoprene

#### Eye protection

Full face shield.

#### Skin protection

Rubber or plastic apron

#### Other protective equipment

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

#### Industrial hygiene measures

Remove contaminated clothing and clean it.

### ENGINEERING CONTROLS

#### Ventilation

General (mechanical) room ventilation is expected to be satisfactory for normal handling.

### EXPOSURE LIMITS

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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

<b>Physical state</b>	Liquid
<b>Color</b>	Red brown
<b>Odor</b>	Acid

### OTHER PROPERTIES

Boiling point	Not determined
Melting point	Not determined
pH	< 2
	Concentration: 30g/l
<b>Density</b>	1.01 g/cm <sup>3</sup> at 25 °C
<b>Vapor pressure</b>	Not determined
<b>Vapor density (air=1)</b>	Not determined
<b>Solubility in water</b>	Soluble
<b>Flash point</b>	> 94 °C (> 200 °F)
	Method: Pensky-Martens closed cup ASTM D 93
Percent volatile	< 5%

## 10. STABILITY AND REACTIVITY

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**Stability:** Stable.

**Stability - Conditions to avoid**  
Stable under normal conditions.

**Incompatible materials**  
Strong oxidizing agents.  
Bases.

**Hazardous combustion products**  
Carbon monoxide.  
Carbon dioxide.  
Oxides of sulfur.

**Hazardous polymerization:** Will not occur

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## 11. TOXICOLOGICAL INFORMATION

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### GENERAL

No information available.

## 12. ECOLOGICAL INFORMATION

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

## 13. DISPOSAL CONSIDERATIONS

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**General:** 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-

## 14. TRANSPORT INFORMATION

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### DOT Classification

**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

## 15. REGULATORY INFORMATION

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Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

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

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

**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

## CHEMICAL INVENTORY

United States: The ingredients of this product are not on the TSCA inventory,

## 16. OTHER INFORMATION

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### RECOMMENDED USES AND RESTRICTIONS

Please consult the product and/or application information bulletins for this product.

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**HMIS Rating: Health: 3    Flammability: 1    Reactivity: 1    Personal Protection: X**

**WHMIS Rating: D2B - IRRITANT**

STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	Minimal hazard
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Person protection rating to be supplied by user depending on conditions

The opinions expressed herein are those of qualified experts within Oil Chem Technologies. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of Oil Chem Technologies, it is the user's obligation to determine the conditions of safe use of the products.