



# Material Safety Data Sheet

## UltraFlush Single Component

**MANUFACTURER**  
Elastomer Specialties, Inc.  
2210 South Highway 69  
Wagoner, OK 74467  
918-485-2835

Issue Date: February 2002  
Revised: November 2005  
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Revised: July 2009

### 1 - Chemical Product Identification

Product Code: 1293  
Product Name: **UltraFlush** **Single Component**  
Chemical Family: Aromatic Sulfonic Ester  
Chemical Name: Alkylsulfonic Acid Ester of Phenol  
CAS Number: 70775-94-9

### 2 - Composition / Information on Ingredients - HAZARDOUS INGREDIENTS

INGREDIENT NAME/CAS #	EXPOSURE LIMITS	CONCENTRATION
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This product contains NO hazardous ingredients as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### Other Ingredients:

The following potentially hazardous constituent(s) are contained at levels below OSHA disclosure requirements and are provided for informational purposes only.

Phenol/108-95-2	OSHA: 5.00 ppm TWA-Skin ACGIH: 5.00 ppm TWA-Skin	< 25 ppm
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### 3 - Hazards Identification:

**Emergency Overview:** Warning!

Color: Light yellow;

Form: Liquid; Viscous Liquid;

Odor: Odorless; Product poses little or no hazard if spilled and no hazard if spilled and no unusual hazard if involved in a fire.

#### POTENTIAL HEALTH EFFECTS:

ROUTE(S) OF ENTRY: Inhalation; Skin contact; Eye contact

#### HUMAN EFFECTS AND SYMPTOMS OF OVER-EXPOSURE:

ACUTE EFFECTS OF EXPOSURE: On the basis of animal toxicity testing, we would expect this product to be non-irritation to the eyes and skin and essentially non-toxic by ingestion or skin absorption.

CHRONIC EFFECTS OF EXPOSURE: No applicable information was found concerning any adverse chronic health effects from over-exposure to this product.

CARCINOGENICITY: This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.

NTP----- Not listed

IARC----- Not listed

OSHA----- Not regulated

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

EXPOSURE LIMITS: Not established for this product.

### 4 - First Aid Measures

FIRST AID FOR EYES: Flush with plenty of lukewarm water.

FIRST AID FOR SKIN: Wash affected areas with soap and water.

FIRST AID FOR INHALATION: Remove to fresh air.

FIRST AID FOR INGESTION: Get medical attention.

## 5 - Fire Fighting Measures

FLASH POINT: 410°F - 464°F (210°C—240°C) ASTM-D92  
 FLAMMABLE LIMITS: Upper explosive limit (UEL) (%): Not established  
 Lower explosive limit (LEL) (%): Not established  
 AUTO-IGNITION TEMPERATURE: 797°F (425°C) ASTM-D286  
 EXTINGUISHING MEDIA: Water; Carbon dioxide; Dry chemical; Foam  
 SPECIAL FIRE FIGHTING PROCEDURES: Full emergency equipment with self-contained breathing apparatus should be worn by firefighters. During a fire, irritating and toxic gases and aerosols may be generated by thermal decomposition and combustion.

## 6 - Accidental Release Measures

SPILL OR LEAK PROCEDURES: Cover with absorbent material, such as sand, sweeping compound or diatomaceous earth; collect material and handle as normal waste.

## 7 - Handling and Storage

STORAGE TEMPERATURE (MIN/MAX): Not established  
 SHELF LIFE: Approximately 2 years in original, tightly sealed containers.  
 SPECIAL SENSITIVITY: Excessive heat.  
 HANDLING/STORAGE PRECAUTIONS: If material is overheated, oxides of sulfur are generated. Store in a cool, dry place. Keep separated from foods. Keep container closed to prevent contamination. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Wash thoroughly after handling.

## 8 - Personal Protection

EYE PROTECTION REQUIREMENTS: Protective goggles recommended.  
 SKIN PROTECTION REQUIREMENTS: Chemical resistant gloves are recommended.  
 VENTILATION REQUIREMENTS: Under normal conditions of use, special ventilation is not required.  
 RESPIRATOR REQUIREMENTS: Under normal conditions of use, respiratory protection is not required.  
 ADDITIONAL PROTECTIVE MEASURES: Safety showers and eyewash stations should be available.  
 Educate and train employees in the safe use and handling of this product.

## 9 - Physical and Chemical Properties

PHYSICAL FORM:	Liquid	APPEARANCE:	Viscous liquid
COLOR:	Light yellow	ODOR:	Odorless
ODOR THRESHOLD:	Not applicable	pH:	Not established
BOILING POINT:	Approx. 392°F (200°C) @ 9.75 mmHg	SOLUBILITY IN WATER:	Insoluble
MELTING/FREEZING POINT:	Less than 5°F (-15°C)		
VISCOSITY:	100 - 130 mPa's @ 68°F (20°C)		
SPECIFIC GRAVITY:	Approx. 1.055 @ 68°F (20°C)		
BULK DENSITY:	Approx. 8.78 lbs/gal		
VAPOR PRESSURE:	Less than 0.000075 mmHg @ 68°F (20°C)		
VOC BY WEIGHT:	1.25% (USEPA Method 24)		

## 10 - Stability and Reactivity

STABILITY: This is a stable material  
 HAZARDOUS POLYMERIZATION: Will not occur.  
 INCOMPATIBILITIES: None known.  
 INSTABILITY CONDITIONS: Excessive heat.  
 DECOMPOSITION TEMPERATURE: 392°F (200°C)  
 DECOMPOSITION PRODUCTS: By fire or thermal decomposition: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), sulfur dioxide and phenol.

## 11 - Toxicological Information

### ACUTE TOXICITY

Oral LD50	Greater than 10 g/kg (Rat).*
Dermal LD50	Greater than 1.0 g/kg (Rat).*
Eye Effects	Non-irritating to rabbit eyes.*
Skin Effects	Non-irritation to rabbit skin.*

Testing conducted at the Institute of Toxicology, Bayer AG.

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**12 - Ecological Information**

FISH TOXICITY LC0 = 100 mg/L (96 h, Brachydanio rerio).\*

BIOLOGICAL ELIMINATION 31% after 28 days (MITI-test, variation Painter).\*

INHIBITION BACTERIA EC50 greater than 10000 mg/L (activated sludge micro-organism).\*

PLANT TOXICITY No harmful effect at saturation concentration (96 h, scenedesmus subs).\*

\* Tests conducted at the Institute for Toxicology, Bayer AG.

**13 - Disposal Considerations**

WASTE DISPOSAL METHOD: Waste may be incinerated or disposed of in compliance with federal, state or local environmental control regulations.

**14 - Transportation Information**

TECHNICAL SHIPPING NAME Aromatic Sulfonic Ester

FREIGHT CLASS BULK Chemicals, NOI

FREIGHT CLASS PACKAGE Chemical, NOI (NMFC 60000)

PRODUCT LABEL Product Label Established

**DOT (Domestic Surface):** HAZARD CLASS OR DIVISION Non-Regulated

**IMO / IMDG code (Ocean):** HAZARD CLASS DIVISION NUMBER Non-Regulated

**ICAO / IATA (Air):** HAZARD CLASS DIVISION NUMBER Non-Regulated

HARMONIZED SYSTEM TARIFF #: **HS# 3812.20.1000**

**15 - Regulatory Information**

OSHA STATUS: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: On TSCA Inventory

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III: SECTION 302 EXTREMELY: HAZARDOUS SUBSTANCES: None

SECTION 311/312: HAZARD CATEGORIES: Non-hazardous under Section 311/312

SECTION 313: TOXIC CHEMICALS: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24). FOREIGN CHEMICAL INVENTORY LIST (S): Canada DSL: Listed

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

COMPONENT NAME /CAS NUMBER	CONCENTRATION	STATE CODE
Alkylsulfonic Acid Ester of Phenol / 70775-94-9	100.000 %	PA3, NJ4
Phenol / 108-95-2	< 25 ppm	MA, NJ3

MA = Massachusetts Hazardous Substance List

NJ3 = New Jersey Special Health Hazardous Substance List

NJ4 = New Jersey Other—included in 5 predominant ingredients > 1%

PA3 = Pennsylvania Non-hazardous present at 3% or greater.

CALIFORNIA PROPOSITION 65: To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

**17 - Other Information**

HMIS RATINGS:	Health	Flammability	Reactivity
	0	1	0
0 = Minimal	1 = slight	2 = Moderate	3 = Serious
			4 = Severe

Elastomer Specialties' method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by Elastomer Specialties, Inc. as a customer service.

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