

# SAFETY DATA SHEET

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: TRANSENE COMPANY, INC.  
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EMERGENCY NO. 1-800-424-9300 CHEMTREC

MATERIAL NAME: **TRANSENE ULTRASONIC DETERGENT (TUD)**

REVISED: November 2019

CHEMICAL FAMILY: Phosphate detergent solution.

Product Number: 020-00040

## SECTION 2. HEALTH HAZARD INFORMATION

### GHS Classifications

H303: Acute toxicity Oral : Category 5  
H333: Acute toxicity Inhalation : Category 5  
H316: Skin corrosion / Skin irritation : Category 3  
H319: Serious eye damage / Eye irritation : Category 2A

### Pictograms or Hazard symbols



Signal word: Warning

Causes eye irritation.

Causes mild skin irritation. May be harmful if swallowed, inhaled, or in contact with skin.

### Precautionary Statements

P264 Wash thoroughly after handling.  
P280 Wear protective gloves, clothing, and eye and face protection.  
P304 + P312 If inhaled, call a physician if you feel unwell.  
P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes.  
P332 + P313 If skin irritation occurs, get medical advice/attention.  
P337 + P313 If eye irritation persists, get medical advice/attention.

## SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Material		Wt %	Toxicity
Tetrapotassium Pyrophosphate	CAS# 7320-34-5	1-5	
EDTA Tetrasodium Salt	CAS# 64-02-8	1-5	2.0 g/kg
Trisodium Phosphate	CAS# 7758-29-4	1-5	
Sodium Xylene Sulfonate	CAS# 1300-72-2	1-5	
Hydroxycellulose	CAS# 9004-62-0	1-5	
Surfactant	CAS# 68442-69-3	1-5	

Non-ionic Detergent	CAS# 68131-40-8	1-5	
Butyl Cellosolve	CAS# 111-76-2	5-10	
Water	CAS# 7732-18-5	> 65	50 ppm
Total		100	

#### **SECTION 4. FIRST AID MEASURES**

##### **EFFECTS OF OVEREXPOSURE**

##### **FIRST AID:**

Overexposure to mist can cause tissue damage, especially to eyes and lungs.

#### **SECTION 5. FIRE FIGHTING MEASURES**

Flash Point and Method	Autoignition Temp.	Flammability Limits In Air	<u>LOWER</u>	<u>UPPER</u>
non-flammable	NA		NA	NA

**Extinguishing media:** Water spray or fog, carbon dioxide and dry chemical.

**Special fire fighting procedures:** None

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

**SPILLS, LEAKS:** Ventilate area of leak or spill. Dike and cover the contaminated areas with absorbent, non-combustible material such as earth, sand, or vermiculite.

#### **SECTION 7. HANDLING AND STORAGE**

Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Do not breathe mist or vapor. Do not expose eyes, skin, or clothing. Keep container closed tightly. Use with adequate ventilation or respiratory protection. Do not store near combustibles or in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible substances. Separate from strong acids.

#### **SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**Respiratory protection:** None required.

**Ventilation:** Where adequate ventilation is not available, use NIOSH approved vapor respirator with dust, fume and mist filters. Local ventilation through fume hoods or laminar flow stations is also preferred. Keep fumes away from strong bases.

**Protective gloves:** Skin contact should be minimized through use of rubber gloves.

Other protective equipment: Steel tipped shoes/eye wash station/chemical safety chemical retardant clothing.

Eye protection: Safety goggles / face shield

#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form :</b>	Liquid
<b>Appearance :</b>	Off-white
<b>Odor :</b>	Mild soapy, sweet
<b>pH :</b>	> 11
<b>Melting point:</b>	0 °C
<b>Boiling point/Boiling range :</b>	100 °C (water)
<b>Flash point :</b>	Non-flammable.

<b>Ignition point :</b>	Will not ignite.
<b>Danger of explosion:</b>	Product is not explosive
<b>Vapor density (Air = 1) :</b>	Not available
<b>Volatiles, %:</b>	> 70
<b>Vapor pressure at 15° C, mm Hg:</b>	Not available
<b>Specific gravity :</b>	1.05 g/cc
<b>Solubility in / Miscibility:</b>	Completely miscible in water
<b>Evap. Rate (Water = 1):</b>	> 1

## **SECTION 10. STABILITY AND REACTIVITY**

Stability	Stable	X	Conditions to avoid: Excess heat , light, confined spaces
	Unstable		

Incompatible with:  
Strong acids; oxidizers, alkali

Hazardous decomposition products: Carbon and carbon oxides; ammonia

Hazardous	May occur	Conditions to avoid: Excess heat, damp.
polymerization:	Will not occur	X

## **SECTION 11. TOXICOLOGICAL INFORMATION**

EDTA: 2.0 g/kg (oral, rat) LD<sub>50</sub>  
 Trisodium Phosphate: 7400 mg/kg (oral, rat) LD<sub>50</sub>  
 Sodium Xylene Sulfonate: 70 g/kg (oral, rat) LD<sub>50</sub>

## **SECTION 12. ECOLOGICAL INFORMATION**

**Bioaccumulation :** There is no evidence of bioaccumulation.

**Ecotoxicity :** Biologic effects:  
 This product will cause aquatic harm by raising the pH of affected waters.

Trisodium Phosphate: LC<sub>50</sub>, Western Mosquitofish, 150 mg/L/96 hr  
 Sodium Xylene Sulfonate: EC<sub>50</sub>, Waterflea, 2564 mg/L/48 hr

## **SECTION 13. DISPOSAL CONSIDERATIONS**

DISPOSAL: Dispose of in accordance with all federal state and local regulations. Send waste to an approved waste disposal facility.

## **SECTION 14. TRANSPORTATION INFORMATION**

Non-hazardous/non-regulated.

## **SECTION 15. REGULATORY**

Symbol:  
 R-Phrase:  
 R21/22: Harmful in contact with skin and if swallowed.

## **SECTION 16. OTHER INFORMATION**

NFPA Codes:

Health: 1

Flammability: 0

Reactivity: 0

HMIS Codes:

Health: 1

Flammability: 0

Reactivity: 0

All ingredients of this product are listed on the US TSCA inventory under their parent anhydrous compounds.