



金沃泰  
KINGVOLT

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : O/P-Toluene Sulfonamide  
CAS-No. : 1333-07-9 or 8013-74-9  
Synonym: O/P-Toluene sulphonamide; O/P-Toluenesulfonamide;  
O/PTSA; Ortho Para Toluene Sulfonamide; Toluenesulfonamide  
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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C<sub>7</sub>H<sub>9</sub>NO<sub>2</sub>S

CAS-No.	EC-No.	Index-No.	Concentration
O/P-Toluene Sulfonamide			
1333-07-9	215-578-1		>99%
8013-74-9	232-394-7		>99%

CAS-No.	Chemical Name	Content
70-55-3	P-Toluenesulfonamide	60-90%
88-19-7	Ortho-Toluenesulfonamide	40-10%

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Not available.

### Potential Health Effects

The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

## 4. FIRST AID MEASURES

### Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

### Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

### Ingestion:

Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:**

Remove from exposure to fresh air immediately.

Notes to Physician:

## 5. FIRE-FIGHTING MEASURES

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:**

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

## 6. ACCIDENTAL RELEASE MEASURES

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

## 7. HANDLING AND STORAGE

**Handling:**

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Storage:**

Store in a cool, dry place. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:**

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

**Personal Protective Equipment**

**Eyes:**

Wear safety glasses and chemical goggles if splashing is possible.

**Skin:**

Wear appropriate protective gloves and clothing to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to minimize contact with skin.

**Respirators:**

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:**

Crystalline powder

**Appearance:**

white

<b>Odor:</b>	Not available.
<b>Ph:</b>	Not available.
<b>Vapor Pressure:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Boiling Point:</b>	221°C @ 10.00mmHg
<b>Freezing/Melting Point:</b>	102.00 - 130.00°C
<b>Autoignition Temperature:</b>	Not available.
<b>Flash Point:</b>	202°C ( 395.60°F)
<b>Explosion Limits, lower:</b>	Not available.
<b>Explosion Limits, upper:</b>	Not available.
<b>Decomposition Temperature:</b>	
<b>Solubility in water:</b>	0.28 g/100ml (25°C)
<b>Specific Gravity/Density:</b>	
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>9</sub> NO <sub>2</sub>
<b>Molecular Weight:</b>	171.21

## 10. STABILITY AND REACTIVITY

### Chemical Stability:

Stable under normal temperatures and pressures.

### Conditions to Avoid:

Incompatible materials, strong oxidants.

### Incompatibilities with Other Materials:

Strong oxidizing agents, strong bases.

### Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

### Hazardous Polymerization:

Has not been reported.

## 11. TOXICOLOGICAL INFORMATION

### RTECS#:

CAS# 88-19-7;70-55-3: XT5075000

### LD50/LC50:

Not available.

### Carcinogenicity:

O/ P-TOLUENESULFONAMIDE

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

## 12. ECOLOGICAL INFORMATION

None known.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

**IATA**

Not regulated as a hazardous material.

**IMO**

Not regulated as a hazardous material.

**RID/ADR**

Not regulated as a hazardous material.

**15. REGULATORY INFORMATION**

European/International Regulations

European Labeling in Accordance with EC Directives

**Hazard Symbols:**

Not available.

**Risk Phrases:****Safety Phrases:**

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 88-19-7;70-55-3: 1

United Kingdom Occupational Exposure Limits

**Canada**

CAS# 88-19-7;70-55-3 is listed on Canada's DSL List.

CAS# 88-19-7;70-55-3 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

**TSCA**

CAS# 88-19-7;70-55-3 is listed on the TSCA inventory.

**16. OTHER INFORMATION****Further information**

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