



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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(716) 226-6177

MSDS No. PP 48
Effective Date March 19, 1999

SECTION V HEALTH HAZARD DATA

PP 48

Threshold Limited Value

Toxicity data: LD50 orl-rat 2480 mg/kg.

Effects of Overexposure

Harmful if swallowed, inhaled or absorbed through skin. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. Inhalation may be fatal as a result of spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. Corrosive.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Protect from moisture. Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid)	Strong oxidizing agents, strong bases.
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Hazardous Decomposition Products	Carbon dioxide, carbon monoxide and sulfur oxides.
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Hazardous Polymerization	Conditions to Avoid	Not applicable.
May Occur		
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Wear protective safety equipment and use adequate ventilation. Avoid making dust. Sweep up and place in a suitable container for disposal.
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Waste Disposal Method	Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	Wear a NIOSH/MSHA approved respirator.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.	

Other Protective Equipment	Lab coat, apron, eye wash station, proper gloves, ventilation hood, goggles, face shield.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Avoid prolonged or repeated exposure. Store in a cool, dry place. Wash thoroughly after handling. <small>Keep container tightly closed when not in use.</small>
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Use only in well-ventilated area. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 1	Date 3/19/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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The information contained herein is furnished without warranty of any kind. Employees should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	P-TOLUENESULFONIC ACID	
Chemical Synonyms	PTSA - Monohydrate	
Formula	C ₇ H ₈ O ₃ S•H ₂ O	
Unit Size	up to 180 Kg.	
C.A.S. No.	6192-52-5	

CHEMTREC
800-424-9300
Day 716-226-6177

Health	3
Fire	1
Reactivity	1

NFPA HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

HMIS *
0 1 2 3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
p-Toluenesulfonic Acid, Monohydrate	97.5%	None established.

DANGER! CORROSIVE! CAUSES SKIN AND EYES BURNS.

DUST IRRITATING TO RESPIRATORY TRACT.

SECTION III PHYSICAL DATA

Melting Point (°F)	103°-106°C (217°-222°F)	Specific Gravity (H ₂ O = 1)	0.65
Boiling Point (°F)	140°C (284°F) (20 mm)	Percent Volatile by Volume (%)	Non-volatile.
Vapor Pressure (mm Hg)	<1	Evaporation Rate (N/A = 1)	Non-volatile.
Vapor Density (Air=1)	N/A		
Solubility in Water	30 gm/100 mL. water @ 25°C.		
Appearance & Odor	White crystalline solid; odorless. Hygroscopic.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	>103°C (>218°F)	Flammable Limits in Air % by Volume	NA	Lower	Upper
Extinguisher Media	Water spray; carbon dioxide; dry chemical powder, alcohol or polymer foam.				

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Cool storage drums with water spray.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 153)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Toxic fumes of carbon dioxide, carbon monoxide and sulfur oxides.

Autoignition Temperature: 400°C (752°F)

D.O.T. ALKYL SULFONIC ACID, SOLID, 8, UN 2585, PG III

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20