



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. PP 200  
Effective Date April 12, 1999

## SECTION V HEALTH HAZARD DATA

PP 200

### Threshold Limited Value

None established by (ACGIH 1992-93).  
RTECS No. YU1400000 Toxicity data: Oral-rat LD50: 3 mg/kg.

### Effects of Overexposure

A highly toxic compound by the oral route. Considered as a poison orally.  
May be absorbed through the skin. Harmful if inhaled.

### Emergency and First Aid Procedures

**EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **SKIN:** Flush with water, then wash with soap and water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. Induce vomiting. Repeat until vomit fluid is clear. Call a physician immediately. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Strong oxidizing materials.
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Hazardous Decomposition Products	Carbon, nitrogen and sulfur oxides.
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Hazardous Polymerization		Conditions to Avoid	Not applicable.
May Occur	Will Not Occur		
	X		

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Recover for use if not contaminated. Wear proper safety equipment. Insure proper ventilation. Sweep up and place in a suitable container for proper disposal. Avoid producing dust. Wash spill area with soap and water.
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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.
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Dispose of in an approved incinerator equipped with an afterburner and scrubber or contract with a licensed waste disposal service.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved dust mask or respirator.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Smock, apron, eye wash station, proper gloves, ventilation hood.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from oxidizing materials. Avoid contact with skin and eyes. Avoid breathing dust. Use with adequate ventilation. Wash thoroughly after handling.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Keep away from food, drink and animal foods. When using do not eat, drink or smoke. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 5	Date	4/12/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	PHENYLTHIOUREA	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 3 2
Chemical Synonyms	Phenylthiocarbamide	
Formula	C <sub>6</sub> H <sub>5</sub> NHCSNH <sub>2</sub>	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	103-85-5	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Phenylthiourea	100%	None established.
DANGER! POISON  MAY		
BE FATAL IF SWALLOWED. HARMFUL IF		
INHALED OR ABSORBED THROUGH SKIN.		

## SECTION III PHYSICAL DATA

Melting Point (°F)	154°C (309°F)	Specific Gravity (H <sub>2</sub> O = 1)	1.30
Boiling Point (°F)	No data available.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ( )	Non-volatile (NA).
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	Very slight.		
Appearance & Odor	White to gray fine crystals; slight aromatic odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC); water spray; foam.				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 154)

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Dangerous; when heated to decomposition or on contact with acid or acid fumes, it emits highly toxic fumes of oxides of sulfur and nitrogen. Can react with oxidizing materials.

D.O.T. TOXIC SOLIDS, ORGANIC, N.O.S. , (PHENYLTHIOUREA), 6.1, UN 2811, PG I

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