



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
Avon, New York 14414  
(716) 226-6177

MSDS No. TT 95  
Effective Date February 20, 1998

## SECTION V HEALTH HAZARD DATA

TT 95

### Threshold Limited Value

Airborne Exposure Limits: None established. Toxicity data: Mutation references cited. Reproductive data cited. Carcinogenic determination: Thioacetamide is carcinogenic to mice and rats following oral administration (IARC 7,77,74).

### Effects of Overexposure

**INHALATION:** May cause irritation to the respiratory tract. **INGESTION:** Toxic effects on humans is not fully understood; suspected of causing liver damage. It has been suggested that this material may release hydrogen sulfide. **SKIN CONTACT:** May cause irritation. **EYE CONTACT:** May cause irritation. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting. Repeat until vomit fluid is clear. Call physician immediately. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. **INHALATION:** If inhaled as dust or mist, remove to fresh air, treat symptomatically and get medical attention.

## SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Stable under ordinary conditions of use and storage. Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid)	Releases hydrogen sulfide when heated with acids, H <sub>2</sub> O or steam. Releases sodium sulfide when heated with bases.
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Hazardous Decomposition Products	Emits toxic oxides of sulfur and nitrogen when heated to decomposition.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Ventilate the area of the leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from dust. Sweep up and place in a suitable container and hold for disposal. Avoid raising dust.
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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 RCRA approved chemical incinerator equipped with an afterburner and scrubber. Alternatively, package unclaimable material for disposal in a RCRA-approved waste facility.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	In the laboratory work in ventilation hood. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask or respirator.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Yes.	Other	No.

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

Precautions to be Taken in Handling & Storing	Keep container tightly closed. Store in a cool, dry, ventilated area away from sources of heat or ignition. Protect against physical damage. Isolate from acids, water and alkalis.
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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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Avoid all personal contact. Use with adequate ventilation. Wash thoroughly after handling. Remove and wash contaminated clothing.

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

Revision No. 4	Date 2/20/98	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employers 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	THIOACETAMIDE	<p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>3</td> </tr> <tr> <td>Fire</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	3	Fire	1	Reactivity	1
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	3																	
Fire	1																	
Reactivity	1																	
Chemical Synonyms	Acetothioamide; TAA																	
Formula	CH <sub>3</sub> CSNH <sub>2</sub>																	
Unit Size	up to 500 grams																	
C.A.S. No.	62-55-5																	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
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Thioacetamide	100%	None established.
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**DANGER! HARMFUL IF SWALLOWED, INHALED OR ABSORBED**

**THROUGH SKIN. CORROSIVE TO SKIN, EYES AND MUCOUS**

**MEMBRANES. SUSPECTED CARCINOGEN. \***

## SECTION III PHYSICAL DATA

Melting Point (°F)	111°-114°C (234°-237°F)	Specific Gravity (H <sub>2</sub> O = 1)	Data not listed.
Boiling Point (°F)	Data not listed.	Percent Volatile by Volume (%)	Data not listed.
Vapor Pressure (mm Hg)	Data not listed.	Evaporation Rate ( =1)	Data not listed.
Vapor Density (Air=1)	2.6		
Solubility in Water	16.3 grams per 100 mL. water @ 25°C (77°F).		
Appearance & Odor	Transparent, colorless crystals; slight odor of mercaptans.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Combustible.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media	Water spray; dry chemical (ABC); alcohol foam; carbon dioxide (CO <sub>2</sub> ).
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### SPECIAL FIREFIGHTING PROCEDURES

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

\* RTECS No. AC8925000  
Carcinogenic Review: Animal positive.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

**FIRE:** As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. **EXPLOSION:** Not considered to be an explosion hazard.

D.O.T. NON-REGULATED.

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