



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. TT 10  
Effective Date MaY 20, 1999

## SECTION V HEALTH HAZARD DATA

TT 10

### Threshold Limited Value

Nuisance particulates 10 mg/m<sup>3</sup> dust. (ACGIH 1992-93). RTECS No. WW5075000  
Toxicity data: orl-rat LDLo: 200 mg/kg; orl-rabbit LD50: 5000 mg/kg.

### Effects of Overexposure

Target organs affected: Liver, kidneys. Locally causes drying and discoloration of skin. Large doses may produce gastritis (especially if stomach is empty), vomiting, pain, diarrhea, or constipation. In view that Tannic acid has proven to be carcinogenic in animal studies only, exercise appropriate procedures to minimize potential hazards. Contact with open sores may result in liver damage.

### Emergency and First Aid Procedures

**SKIN:** Flush with water. Follow by washing with mild soap and water.  
**EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **INHALATION:** Remove to fresh air. If illness or discomfort develops, get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

### Stability

Unstable  
Stable

### Conditions to Avoid

Keep from exposure to air and light; excessive temperature and heat.

### Incompatibility (Materials to Avoid)

Salts of heavy metals, alkaloids, gelatin, albumin, starch, oxidizing substances - e.g. , permanganates, chlorates; spirit nitrous ether, limewater.

### Hazardous Decomposition Products

Thermal decomposition or heating may produce carbon dioxide and/or carbon monoxide.

### 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

Recover for use. Small spills may be dissolved in water. Neutralize with sodium bicarbonate and flush to sewer with copious amounts of water. Spills may also be swept up and placed in a suitable container for disposal by incineration. Wash spill area with soap and water.

### 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.

Dispose of in an approved incinerator 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 ventilation hood or wear a NIOSH/MSHA-approved dust mask.

### Ventilation

Local Exhaust  
Mechanical (General)

Recommended.  
Recommended.

Special  
Other

No.  
No.

### Protective Gloves

Recommend gloves for repeated exposure.

### Eye Protection

Chemical safety glasses.

### Other Protective Equipment

Lab coat, apron, eye wash station, ventilation hood.

## SECTION IX SPECIAL PRECAUTIONS

### Precautions to be Taken in Handling & Storing

Store in a cool, dry place and protect from light and oxidizing materials. Store below 210°C (410°F).

### Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

Gradually darkens on exposure to air and light. Avoid contact with skin and eyes. 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. 5 Date 5/20/99 Approved Michael Raszeja Chemical Safety Coordinator MR

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	TANNIC ACID
Chemical Synonyms	Tannin, Gallotannic Acid
Formula	C <sub>76</sub> H <sub>52</sub> O <sub>46</sub>
Unit Size	up to 2.5 Kg.
C.A.S. No.	1401-55-4

1

0

0

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

Health 1  
Fire 1  
Reactivity 1

NFPA  
HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

HMIS \*  
3 4

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Tannic Acid	100%	None established.
WARNING! IRRITANT TO SKIN AND EYES.		
SUSPECTED CARCINOGEN *.		

## SECTION III PHYSICAL DATA

Melting Point (°F)	210°-215°C (410°-419°F) dec.	Specific Gravity (H <sub>2</sub> O = 1)	Greater than 1.0
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ( )	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Complete.		
Appearance & Odor	Yellowish-light tan powder; faint characteristic odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	390°F (199°C) (OC)	Flammable Limits in Air % by Volume	Unknown	Lower	Upper
Extinguisher Media	Water spray; carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC).				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

\* CARCINOGENIC REVIEW: ANIMAL POSITIVE.  
Cancer hazard based on tests with laboratory animals.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react with oxidizing materials.

Autoignition Temperature: 980°F (527°C).

D.O.T. NON-REGULATED.

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