



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. PP 220
Effective Date April 12, 1999

SECTION V HEALTH HAZARD DATA

PP 220

Threshold Limited Value None established. (ACGIH 1992-93). Toxicity data: Ori-rat LD50 5200 mg/kg. Ori-mus LD50 4550 mg/kg.

Effects of Overexposure **TARGET ORGANS AFFECTED:** Lungs. **INGESTION:** High doses may cause tremors and spasms. Prolonged overexposure may cause disturbances of thyroid function. **INHALATION:** Irritation to lungs. Repeated exposure to low dust concentrations may result in changes in the blood picture. **EYES:** Contact may cause irritation. **SKIN:** Prolonged contact may cause irritation. Repeated contact may result in allergic skin reaction.

Emergency and First Aid Procedures **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **EYES:** Flush immediately with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Wash with soap and water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. Induce vomiting and call a physician immediately. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

| | | | | |
|------------------|-----------------|---|----------------------------|---------------------------------|
| Stability | Unstable | | Conditions to Avoid | Protect from light. |
| | Stable | X | | Excessive temperature and heat. |

Incompatibility (Materials to Avoid) Strong oxidizers, bases.

Hazardous Decomposition Products Thermal decomposition may produce carbon monoxide and/or carbon dioxide.

| | | | |
|---------------------------------|-----------------------|----------------------------|-----------------|
| 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 Sweep up and place in a suitable container for proper disposal. 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 agency.

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 respirator.

| | | | | |
|--------------------|-----------------------------|---------------------|----------------|-----|
| Ventilation | Local Exhaust | Recommended. | Special | No. |
| | Mechanical (General) | Recommended. | Other | No. |

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Goggles, smock, apron, eye wash station, proper gloves, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place and protect from light. Wash thoroughly after handling. Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals. Do not breathe dust. Avoid contact with skin or eyes. Remove and wash contaminated clothing.

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

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|-----------------------|---------------------|---------------------------------|---------------------------------------|
| Revision No. 4 | Date 4/12/99 | 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 | PHLOROGLUCINOL | |
| Chemical Synonyms | 1,3,5-Trihydroxybenzene | |
| Formula | (a) C ₆ H ₃ (OH) ₃ | (b) C ₆ H ₃ (OH) ₃ •2H ₂ O |
| Unit Size | 25, 100 grams | |
| C.A.S. No. | (a) 108-73-6 | (b) 6099-90-7 |

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

| | |
|-------------------|---|
| Health | 1 |
| Fire | 1 |
| Reactivity | 0 |

NFPA HAZARD RATING

| | | | | |
|-------|--------|----------|------|---------|
| LEAST | SLIGHT | MODERATE | HIGH | EXTREME |
| 0 | 1 | 2 | 3 | 4 |

HMIS *

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
|------------------------|------|-------------------|
| Phloroglucinol | 100% | None established. |

WARNING! MAY BE HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. IRRITATING TO THE SKIN AND EYES.

SECTION III PHYSICAL DATA

| | | | |
|-------------------------------|---|--|------------------|
| Melting Point (°F) | 218-221°C (424-430°F) | Specific Gravity (H₂O = 1) | Data not listed. |
| Boiling Point (°F) | Sublimes with decomposition | Percent Volatile by Volume (%) | N/A |
| Vapor Pressure (mm Hg) | Negligible as solid. | Evaporation Rate (=1) | N/A |
| Vapor Density (Air=1) | N/A | | |
| Solubility in Water | Slight. | | |
| Appearance & Odor | Off-white, brown or cream, crystalline powder; no odor. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

| | | | | | |
|----------------------------------|----------------|--|-----|--------------|--------------|
| Flash Point (Method Used) | Non-flammable. | Flammable Limits in Air % by Volume | N/A | Lower | Upper |
|----------------------------------|----------------|--|-----|--------------|--------------|

Extinguisher Media Carbon dioxide (CO₂); dry chemical; water spray.

SPECIAL FIREFIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

Dangerous when heated, it may emit highly toxic fumes; can react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

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