



**ALDON CORPORATION**

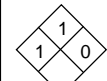
**MATERIAL SAFETY DATA SHEET**

221 Rochester Street  
Avon, New York 14414-9409  
(585) 226-6177

MSDS No.: GG0119 GG0120  
Effective Date: January 10, 2007

**SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE**

|                          |  |
|--------------------------|--|
| <b>Product</b>           | Glycerin                                 |
| <b>Chemical Synonyms</b> | Glycerol, 1, 2, 3-Propanetriol           |
| <b>Formula</b>           | HOCH <sub>2</sub> CHOHCH <sub>2</sub> OH |
| <b>Unit Size</b>         | up to 20 Lt.                             |
| <b>C.A.S. No.</b>        | 56-81-5                                  |



**CHEMTREC**  
800-424-9300  
Day 585-226-6177

|                   |   |
|-------------------|---|
| <b>Health</b>     | 1 |
| <b>Fire</b>       | 1 |
| <b>Reactivity</b> | 0 |

**NFPA**

| HAZARD RATING |        |          |         |        |
|---------------|--------|----------|---------|--------|
| MINIMAL       | SLIGHT | MODERATE | SERIOUS | SEVERE |
| 0             | 1      | 2        | 3       | 4      |

**HMIS\***

**SECTION II INGREDIENTS OF MIXTURES**

| Principal Component(s) | %       | TLV Units      |
|------------------------|---------|----------------|
| Glycerin               | > 99.5% | See Section V. |

**CAUTION! AVOID CONTACT WITH STRONG OXIDIZING MATERIALS.**

**SECTION III PHYSICAL DATA**

|                        |  |   |                  |
|------------------------|--|---|------------------|
| Melting Point (°F)     | 18°C (64°F)                                      | Specific Gravity (H <sub>2</sub> O = 1) | 1.2607 (25/25°C) |
| Boiling Point (°F)     | ~ 260°C (554°F)                                  | Percent Volatile by Volume (%)          | N/A              |
| Vapor Pressure (mm Hg) | < 0.01 mbar @ 20°C                               | Evaporation Rate (Ether = 1)            | Greater than 1.  |
| Vapor Density (Air=1)  | N/A  |   |                  |
| Solubility in Water    | Complete (100%).                                 |   |                  |
| Appearance & Odor      | Clear, water white liquid; no odor. Hygroscopic. |   |                  |

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

|                                  |  |  |     |
|----------------------------------|--|--|-----|
| <b>Flash Point (Method Used)</b> | 177°C (351°F) COC  | <b>Flammable Limits in Air % by Volume</b> | N/A |
| <b>Extinguisher Media</b>        | Carbon dioxide; dry chemical; water spray; alcohol foam. |  |     |

**SPECIAL FIREFIGHTING PROCEDURES**

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

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

During burning poisonous Acrolein may be formed. Can react vigorously with oxidizing materials. Contact with strong oxidizing agents such as chromium trioxide, potassium chlorate, or potassium permanganate may produce explosion.

**SECTION V HEALTH HAZARD DATA** GG0120

**Threshold Limited Value** As mist: TWA: 10 mg/m<sup>3</sup> (ACGIH 2001).

**Effects of Overexposure** **INGESTION:** Very low hazard. Estimating from data, the lethal dose for a 100 pound person may be a quart or more. **EYE CONTACT:** No significant irritation. **SKIN:** No significant irritation. Not absorbed through skin. **INHALATION:** Mists are irritating to respiratory tract. Target organs: None known.

**Emergency and First Aid Procedures** **INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**SECTION VI REACTIVITY DATA**

|                  |                 |   |                            |  |
|------------------|-----------------|---|----------------------------|--|
| <b>Stability</b> | <b>Unstable</b> |   | <b>Conditions to Avoid</b> | Absorbs moisture from air. Excessive temperature and heat. |
|                  | <b>Stable</b>   | X |                            |  |

**Incompatibility (Materials to Avoid)**

**Hazardous Decomposition Products** Acrolein fumes.

|                                 |                            |   |
|---------------------------------|----------------------------|---|
| <b>Hazardous Polymerization</b> | <b>Conditions to Avoid</b> | Avoid a condition of excessive heat (in excess of 200°C) while exposed to atmospheric oxygen. |
| <b>May Occur</b>                | <b>Will Not Occur</b>      |   |
|                                 | X                          |   |

**SECTION VII SPILL OR LEAK PROCEDURES**

**Steps to be taken in case material is released or spilled** **Small spills:** Flush to sewer with copious amounts of water. **Large spills:** Absorb in sand, vermiculite or other available material and place in a suitable container for disposal by incineration.

**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**

|  |   |                       |                          |     |
|--|---|-----------------------|--------------------------|-----|
| <b>Respiration Protection (Specify Type)</b> | None needed in normal laboratory handling at room temperature and a liquid state. |                       |                          |     |
| <b>Ventilation</b>                           | <b>Local Exhaust</b>  | None needed.          | <b>Special</b>           | No. |
|  | <b>Mechanical (General)</b>   | None needed.          | <b>Other</b>             | No. |
| <b>Protective Gloves</b>                     | None needed.  | <b>Eye Protection</b> | Chemical safety glasses. |     |
| <b>Other Protective Equipment</b>            | Smock, apron, eye wash station, goggles, fire extinguisher.                       |                       |                          |     |

**SECTION IX SPECIAL PRECAUTIONS**

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place away from strong oxidizers and fire hazards. Wash thoroughly after handling.

**Other Precautions** Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Remove and wash contaminated clothing.

**D.O.T.** **NON-REGULATED.**

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

|                 |               |                           |                                 |
|-----------------|---------------|---------------------------|---------------------------------|
| Revision No. 10 | Date 01/10/07 | Approved James A. Bertsch | Chemical Safety Coordinator JAB |
|-----------------|---------------|---------------------------|---------------------------------|

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