

**Manufacturer: Poly Scientific R&D Corp**  
70 Cleveland Ave  
Bay Shore, NY 11706  
631-586-0400  
polyrnd@polyrnd.com  
www.polyrnd.com

**Hazardous Materials Identification System**

Health.....: 3  
Flammability.....: 3  
Reactivity.....: 1  
\*PPE.....: g

\*See Section 8

**Section 1. Chemical Product and Company Identification**

**Item Number:** s2240-1  
**Common Name:** Rapid Fixative  
**Chemical Name(s):** Glacial Acetic Acid, Form  
**Chemical Family:** Aldehyde; Aliphatic; Alcol  
**Chemical Formula:** Mixture

**Section 2. Composition Information****Exposure Limits(A blank value indicates no information available)**

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)
Glacial Acetic Acid	64-19-7	15.00	10.00	
Formaldehyde	67-63-0	1,225.00	980.00	

**Section 3. Hazards Identification**

**Potential Acute Health Effects:** Hazardous in case of inhalation, eye contact, skin contact, ingestion

**Potential Chronic Health Effects:** Formaldehyde: OSHA Carcinogen; IARC Code 3; NTP Code 2;

**Section 4. First Aid Measures**

**Eye Contact:** Check for and remove contact lenses. Wash with large amounts of water for 15 minutes. Seek medical attention.

**Skin Contact:** Remove contaminated clothing and shoes. Wash the affected area with large with soap and water. Seek medical attention

**Ingestion:** Give two glasses of water to a conscious victim. Do not induce vomiting. Seek medical attention

**Inhalation:** Move person to fresh air. If neccessary give CPR; warning this could pose a risk of exposure to the rescue breather. Seek medical attention

**Section 5. Fire and Explosion Data**

**Flash Point (F) TCC:** NA

**Lower Flammability Limit (%):** NA

**Upper Flammability Limit (%):** NA

**Extinguishing Media:** Use Dry Chemical, Water Spray, Fog, Carbon Dioxide, Alcoholic Foam

**Special Fire and Explosion Remarks:** NA

**Section 6. Accidental Release Measures**

**Spill Cleanup and Disposal Special:** Danger! Flammable! Eliminate ignition sources. Ventilate area. Use water spray to disperse vapors. Contain spill. Pick up with

**Spill Cleanup:** Take up spills with absorbant material and containerize for proper disposal

**Section 7. Handling and Storage**

**Storage and Handling Special:** NA

**Storage and handling:** Keep container tightly closed. Store in a cool, dry area and protect from physical damage

**Section 8. Exposure Controls/Personal Protection**

**Personal Protective Equipment:** Safety Glasses, Gloves, Vapor Respirator

This information is provided as a guide but proper PPE can only be determined by the end user and their situation.

**Engineering Controls:** Provide local exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit values. Ensure that eyewash stations and safety showers are local to the work-station.

**Section 9. Physical and Chemical Properties**

**Note:** NA

**Appearance** .....: clear, colorless

**pH**.....: NA

**Vapor Pressure (mm Hg)**.....: 152

**Volatile Percent**.....: 100

**Odor** .....: Pungent, Suffocating

**Specific Gravity (@20C)**.....: 1.047

**Vapor Density (Air=1)** .....: 0.83

**Water Soluable?**.....: Yes

**Section 10. Stability and reactivity**

**Special Remarks on Stability:** Stable

**Special Remarks on Reactivity:** NA

**Water Reactive:** No

**SAFETY DATA SHEET**  
IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

**Section 11. Toxological Information**

**Routes of Entry:** Inhalation, Ingestion, Absorption

**Animal Toxicity:** Glacial Acetic Acid: Acute Oral (LD50) 3310 mg/kg (Rat) Acute Dermal (LD50) 1.06 gm/kg (Rabbit); Formaldehyde: Acute Oral

**Human Toxic Effects:** Target Organs: Lungs, Mucous Membranes, Upeer respiratory Tract, Skin, Eyes, Teeth

**Section 12. Ecological Information**

**Ecological Information:** N/A

**Section 13. Disposal Considerations**

**Waste Disposal:** Dispose of in accordance with local,state and federal laws.

**Section 14. Transport Information**

**DOT Identification:** UN1993; Flammable liquids, n.o.s. (Methanol); 3; III

**Section 15. Regulatory Information**

State Regulations: New York release reporting list: Formaldehyde, Acetic Acid  
**Sara Section 311 Reporting**

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Glacial Acetic Acid	64-19-7	No	No	No	No	No	No	No	Yes	No
Formaldehyde	67-63-0	No	No	No	No	No	No	Yes	No	No

**Section 16. Other Information**

**Review Date:** 5/31/2013  
**Reviewed by:** tsc  
**MSDS Group Id:** 330  
**Notice:** This SDS applies only to the material as packaged. If the material is altered by any means it may pose risks not mentioned here.  
It is the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use.  
While this SDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.