SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s2572-1
Common Name.: Paraformaldehyde 1% In 0.1M Phosphate Buffer
Intended Use : In Vitro Diagnostic use. Laboratory Use Only
IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

302 Acute toxicity, oral Cat 4
315 Skin corrosion/irritation Cat 2
317 Sensitisian, Skin Cat 1
318 Serious eye damage/eye irritation Cat 1
332 Acute toxicity,inhalation Cat 4
335 Specific target organ toxicity, single exposure; Respiratory tract irritation Cat 3
341 Germ cell mutagenicity Cat 2
350 Carcinogenicity Cat 1A, 1B

Danger
Harmful if swallowed.Causes skin irritation/ allergic skin reaction. Causes serious eye damage. Harmful if inhaled. May cause respiratory irritation. Suspected of causing genetic defects/cancer.

Obtain special instructions before use. Do not handle until all precautions have been and understood . Wash hands/skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only in well-ventilated area. In case of inadequate ventilation wear respiratory ventilation. IF ON SKIN: Wash with plenty of soap and water. Take off and wash contaminated clothes before reuse. IF skin irritation occurs: Get medical advice/attention. Contaminated work clothing should not be allowed out of the workplace. IF SWALLOWED: Call a POISON CENTER if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Dispose of contents/container to an approved waste disposal plant.
Hazards not otherwise covered by GHS: None

Section 3. Composition Information

Exposure Limits(A blank value indicates no information available) The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Paraformaldehyde	30525-89-4				<5%

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
The most important known symptoms and effects are described in section 2 and/or section 11.

Section 5. Fire Fighting Measures

Extinguishing Media .: Use CO2 or Dry Chemical
Special Fire and Explosion Remarks ..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special ..: Eliminate ignition sources. Use water spray to reduce vapors. Pick up with absorbent vermiculite or other absorbent material.
Spill Cleanup.: Take up spills with absorbant material and containerize for proper disposal. Use proper PPE as per section 8. Provide ventilation.

Section 7. Handling and Storage

Storage and Handling Special..: N/A
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..: Splash Goggles, Gloves, Synthetic Apron, 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

Appearence.....: Colorless liquid
Odor.....: N/A
Odor Threshhold.....: N/A
pH .....: N/A
Melting Point.....: N/A
Boiling Point.....: N/A
Flash Point (F) TCC.....: N/A

Evaporation Rate.....: N/A
Upper Flammability Limit (%).: N/A
Lower Flammability Limit (%) : N/A
Specific Gravity (@20C) .....: N/A
Vapor Pressure (mm Hg).....: N/A
Vapor Density (Air=1) .....: N/A
Relative Density .....: N/A

Water Soluable?.....: Yes
Volatile Percent.....: N/A
Partition Coefficient.....: n-octanol/water: N/A
Auto Ignition Temp. .....: N/A
Decomposition Temp.....: N/A
Viscosity .....: N/A

Section 10. Stability and reactivity

Special Remarks on Stability..: Stable

Special Remarks on Reactivity..: N/A

Water Reactive.: No

Section 11. Toxological Information

Routes of Entry.: Inhalation, Skin Absorption, Ingestion

Animal Toxicity.: Acute Oral (LD50) 800 mg/kg (Rat); Acute Dermal (LD50) 270 mg/kg (Rabbit); Inhalation (LD5O) 590 mg/m3 (Rat); Skin (rabbit) 500 mg/2 hours Severe Irritation; Eye (Rabbit) 100 mg Severe Irritation

Human Toxic Effects .: Target Organs: Eyes, Kidney, Liver, Heart

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

Potential Chronic Health Effects..: Mutagenic. Tumorigenic.

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 .: Non Hazardous

Section 15. Regulatory Information

State Regulations.: New York release reporting list: Paraformaldehyde

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Paraformaldehyde	30525-89-4	No	No	No	No	No	No	No	Yes	No

Section 16. Other Information

Review Date : 3/15/2023
Reviewed by : Admin
MSDS Group Id.: 215

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 responcibility to develope 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 responcibility for the completeness or accuracy of the information contained herein.