SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s2318-1
Common Name.: Zinc Formalin With Zinc Chloride
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

226 Flammable Liquids Cat 4
301 Acute toxicity, oral Cat 3
311 Acute toxicity,dermal Cat 3
314 Skin corrosion/irritation Cat 1A, B, C
334 Sensitisian, respiratory Cat 1
350 Carcinogenicity Cat 1A, 1B
360 Reproductive toxicity Cat 1A, 1B
370 Specific target organ toxicity, single exposure Cat 1

Danger
Combustible liquid. Toxic if swallowed or in contact with skin. Causes severe skin burns and eye damage. May cause allergy , asthma or breathing difficulties. May cause cancer and damage fertility.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces.-No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. 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. In case of inadequate ventilation use respiratory protection. Keep container tightly closed, locked up in well ventilated-area and cool. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. In case of fire: Use dry sand, dry chemical or alcohol- resistant foam to extinguish. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash skin with soap/water/shower. Wash contaminated clothing before reuse. 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 exposed: Call a POISON CENTER or doctor/physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. 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
Formaldehyde	50-00-0	0.37	2.00		<5%
Methanol	67-56-1	308.00	260.00		<5%
Zinc Chloride	7646-85-7	2.00	1.00		<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 .: Dry Chemical, Water Spray, Fog, carbon Dioxide, Alcoholic Foam
Special Fire and Explosion Remarks ..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special ..: Eliminate ignition sources. Disperse vapors with water spray. Pick up with 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..: 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

Appearence.....: Colorless liquid
Odor.....: Pungent, suffocating
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) .....: 1.047
Vapor Pressure (mm Hg).....: 152
Vapor Density (Air=1) .....: 0.83
Relative Density .....: N/A

Water Soluable?.....: Yes
Volatile Percent .....: 100
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.: Formaldehyde: Acute Oral (LD50) 800 mg/kg (Rat) Acute Dermal (LD50) 0.27 gm/kg (Rabbit); Methanol: Acute Oral (LD50) 6.2-13.0 gm/kg (Rat); Zinc Chloride: Acute Oral (LD50) 350 mg/kg (Rat) Intravenous (LDLO) 30 mg/kg (Rat)

Human Toxic Effects .: Target Organs: Eyes, Skin, Respiratory System, CNS, GI Tract

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

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

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: Zinc Chloride, Formaldehyde, Methanol

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Formaldehyde	50-00-0	No	No	No	No	No	Yes	Yes	Yes	No
Methanol	67-56-1	No	No	No	No	No	No	Yes	Yes	No
Zinc Chloride	7646-85-7	No	No	No	No	No	No	Yes	Yes	No

Section 16. Other Information

Review Date : 3/15/2023
Reviewed by : Admin
MSDS Group Id.: 318

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.