SAFETY DATA SHEET

Section 1. Product and Company Identification

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

Item Number:
s2708-1

Common Name:
Formalin 10% Buffered With 0.03% Eosin Y pH 6.9-7.1

Intended Use:
In Vitro Diagnostic use. Laboratory Use Only

Section 2. Hazard Identification

227 Flammable Liquids Cat 4
302 Acute toxicity, oral Cat 4
315 Skin corrosion/irritation Cat 2
317 Sensitisation, Skin Cat 1
318 Serious eye damage/eye irritation Cat 1
341 Germ cell mutagenicity Cat 2
350 Carcinogenicity Cat 1A, 1B
370 Specific target organ toxicity, single exposure Cat 1

Danger

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. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. 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 skin irritation or rash occurs: Get medical advice/attention. If exposed: Call a POISON CENTER or doctor/physician. Take off contaminated clothing and wash before reuse.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Store in a well-ventilated place and kept cool. 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)

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>PEL(mg/m³)</th>
<th>STEL(mg/m³)</th>
<th>CEIL(mg/m³)</th>
<th>Concentration Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>0.37</td>
<td>2.00</td>
<td>0-5%</td>
<td></td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>380.00</td>
<td>260.00</td>
<td>0-5%</td>
<td></td>
</tr>
</tbody>
</table>

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 necessary 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, Alcoholic Foam, Carbon Dioxide

Special Fire and Explosion Remarks:
N/A

Section 6. Accidental Release Measures

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

Section 8. Exposure Controls/Personal Protection

Personal Protective Equipment:
Face Shield, Gloves, Synthetic Apron

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.
SAFETY DATA SHEET

Section 9. Physical and Chemical Properties

Appearance..........................: Odor
Odor......................................: Strong
Odor Threshold....................: 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 (@20°C) ..........: 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. Toxicological Information

Routes of Entry: Inhalation, Skin Absorption, Ingestion

Animal Toxicity:
Formaldehyde: Acute Oral (LD50) 42 mg/kg (Mouse) Acute Dermal (LD50) 0.27 mg/kg (Rabbit)

Human Toxic Effects:
Target organs: Lungs, nose

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 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: Formaldehyde

Sara Section 311 Reporting
Component | CAS# | Acute | Chronic | Fire | Pressure | Reactive | SARA 302 | SARA 313 | CERCLA | RCRA
Formaldehyde | 50‐00‐0 | No | No | No | No | No | Yes | Yes | Yes | No
Mathanol | 67‐56‐1 | No | No | No | No | No | No | Yes | Yes | No

Section 16. Other Information

Review Date: 12/1/2015
Reviewed by: ddi

MSDS Group Id: 339

Notice: This MSDS 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 MSDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.