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:
s248-1

Common Name:
Nuclear Fast Red Kernchrot 0.1%

Intended Use:
In Vitro Diagnostic use. Laboratory Use Only

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

Section 2. Hazard Identification

315  Skin corrosion/irritation Cat 2
319  Serious eye damage/eye irritation Cat 2A
335  Specific target organ toxicity, single exposure; Respiratory tract irritation Cat 3

Warning:
Causes skin irritation and serious eye irritation. May cause respiratory irritation. Wash hands/skin thoroughly after handling. Use only in well-ventilated area. In case of inadequate ventilation wear respiratory ventilation. Wear protective gloves/eye protection/face protection/protective clothing. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Store locked up. Remove 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>Aluminum Sulfate</td>
<td>7784-31-8</td>
<td>2.00</td>
<td></td>
<td></td>
<td>0-5%</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 amounts of 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:
use Dry Chemical, Carbon Dioxide, Water Spray, Alcohol Foam

Special Fire and Explosion Remarks:
N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal:
Pick up spill with absorbent vermiculite

Spill Cleanup:
Take up spills with absorbent 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:
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

Appearance:
clear reddish

Odor:
N/A

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 (@20C):
N/A

Vapor Pressure (mm Hg):
N/A

Vapor Density (Air=1):
N/A

Relative Density:
N/A

Water Soluble?:
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

Stability:
N/A

Reaction:
N/A

Hazardous Decomposition:
N/A

Hazardous Polymerization:
N/A

Section 11. Toxicological Information

Route of Entry:
Skin, Ingestion, Inhalation, Eye Contact

Acute Toxicity:
N/A

Reproductive Toxicity:
N/A

Carcinogenicity:
N/A

Mutagenicity:
N/A

Teratogenicity:
N/A

Toxicity to Reproduction:
N/A

Other Toxicological Effects:
N/A

Section 12. Ecological Information

Biodegradability:
N/A

Toxicity to Aquatic Life:
N/A

Persistence in the Environment:
N/A

Other Ecological Effects:
N/A

Section 13. Disposal Considerations

Waste Disposal Method:
Use approved waste disposal method for hazardous substance. Place in suitable container. Follow local, state, and federal regulations for waste disposal.

Disposal:
Remove to an approved waste disposal plant.

Safe Disposal:

Section 14. Transport Information

Transport Hazard:
N/A

Transport Packaging:
N/A

UN/Transport Number:
N/A

Section 15. Regulatory Information

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

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pH:
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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 Soluble?:
Yes

Volatile Percent:
N/A

Partition Coefficient:
n-octanol/water: N/A

Auto Ignition Temp.:
N/A

Decomposition Temp.:
N/A

Viscosity:
N/A
SAFETY DATA SHEET

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:

Acute Oral (LD50) 6207 mg/kg (Mouse)
Intravenous (LD50) 1735 mg/kg (Mouse)

Human Toxic Effects:

Target Organs: Central Nervous System

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

Potential Chronic Health Effects: Repeated or prolonged exposure to the substance can produce target organs damage

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: Aluminum Sulfate
Sara Section 311 Reporting

Component | CAS# | Acute | Chronic | Fire | Pressure | Reactive | SARA302 | SARA313 | CERCLA | RCRA
---|---|---|---|---|---|---|---|---|---|---|---
Aluminum Sulfate | 7784-31-8 | No | No | No | No | No | No | Yes | No

Section 16. Other Information

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

MSDS Group Id: 92

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.