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This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION I – IDENTIFICATION

Product Name: FR WG Buffer Pkg.
Chemical Identification: Amine Mixture
CAS #: Mixture

SECTION II – INGREDIENTS AND HAZARD CLASSIFICATION

Chemical Name: Carboxylic Acid Salt
CAS Number: Proprietary
Percentage Range: < 10 %
Hazardous Per 29 CFR 1910.1200: No
TLV (ACGIH): Not Determined

Chemical Name: Morpholine-**HP**
CAS Number: 110-91-8
Percentage Range: < 20 %
Hazardous Per 29 CFR 1910.1200: Yes
TLV (ACGIH): STEL 30-ppm (skin) 30ppm
TWA: 20-ppm (skin) 20-ppm

HP- Denotes as OSHA Health and Physical Hazard

Chemical Name: Diethanolamine
CAS Number: 111-42-2
Percentage Rate: < 70 %
TLV (ACGIH): TWA: 3ppm
PEL (OSHA): TWA: 3ppm

This mixture or chemical trade-name product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.

Chemicals Listed are: Diethanolamine CAS#: 111-42-2

SECTION III – PHYSICAL DATA

Boiling Point: >200° F
Specific Gravity: 1.085
Evaporation Rate: No data
Vapor Pressure: No Data
Solubility In Water: Complete
Appearance: Amber
Odor: Ammonia
State: Liquid
Vapor Density: No Data

SECTION IV – FIRE AND EXPLOSION DATA

Flash Point: >200°F
Explosive Limit: No Data
Extinguishing Media: Foam, CO_2, or Dry chemical
Hazardous Decomposition Products: Possible emanated diethylene glycol, acetaldehyde, formaldehyde, and nitrogen dioxide.
Firefighting Procedures: Firefighters should be equipped with self-contained breathing apparatus. Use water to cool fire exposed containers.
Unusual Fire and Explosion Hazards: Keep vapors away from possible ignition sources.

NFPA Codes: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 1 PP-C

SECTION V – REACTIVITY DATA

Hazardous Polymerization: Will not occur
Stability: Stable
Incompatibility: Avoid strong acids, strong oxidizers, and nitrates.

SECTION VI – HEALTH HAZARD INFORMATION

Effects of overexposure:

Upper respiratory irritation, injury to lungs, liver and kidneys. Severe irritation to eyes, which may result in permanent impairment of vision.

First Aid:
Eyes: Irrigate with flowing water for 30 minutes and seek medical attention.
Skin: Wash affected areas with soap and water for at least 15 minutes. Remove and launder contaminated clothing before reuse.
Ingested: DO NOT induce vomiting. Drink water or milk and seek immediate medical attention
Primary Route(s) of Entry: Inhalation, skin, and ingestion
Chronic Overexposure: Difficulty breathing and respiratory problems.

SECTION VII- PRECAUTIONS FOR SAFE HANDLING AND USE

Respiratory Protection: Use a NIOSH/MSHA approved full-face respirator.
Ventilation: Use in well-ventilated area.
Protective Gloves: Wear butyl gloves.
Eye Protection: **Wear chemical goggles and a face shield if a splashing hazard exists.**

Protective Clothing: Avoid skin contact. Wear impermeable gloves, coveralls, apron, and boots.

SECTION VIII – CONTROL MEASURES

Steps to be taken in case material is released or spilled:
Contains spill and absorb on an inert material. Wear protective clothing and self-contained breathing apparatus.
Waste Disposal Method:
Dispose of in accordance with all local, state and federal regulations.

SECTION IX – TRANSPORTATION INFORMATION

Dot Hazard Classification: Not Regulated

SECTION X – REGULATORY INFORMATION

SECTION XI – SPECIAL PRECAUTIONS

Prepared By: Mark D. Latunski
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The information provided herein is believed to be accurate to the best of the company's knowledge as of the date of its issue. We do not warrant or guarantee the information provided and will not be held liable for any loss or damage from its use.