MATERIAL SAFETY DATA SHEET

| IDENTITY (as used on label): Ferm Controlled Reducing Crème Normal | | | |
|---|-------|---------------|-------|
| SECTION I MANUFACTURER: Raani Corporation ADDRESS: 5401 West 65th Street, Bedford Park, Illinois, 60638 EMERGENCY TELEPHONE NUMBER: (708) 496-8025(CHEM-TEL) TELEPHONE NUMBER FOR INFORMATION: (708) 496-8025 | | | |
| SECTION II - Hazardous Ingredients / Identity Information Contains a proprietary mixture of non-hazardous ingredients in an aqueous base | | | |
| Components (chemical identity) OSH | A PEL | ACGIH TLV | %w/w |
| Ammonium hydroxide (CAS #1336216) | | 25ppm (vapor) | 1 % |
| Ammonium Thioglycolate (CAS #5421-46-S) | ? | ? | 6-9% |
| Diammonium Dithiodiglycolate (CAS # 068223-93-8) SECTION III - Physical / Chemical Characteristic | ? | ? | 0.05% |
| Boiling Point: N/A Specific Gravity: 1.01 Melting Point: N/A Vapor Pressure (mm Hg): N/A Vapor Density (air = 1): N/A Evaporation Rate (Butyl Acetate = 1): N/A Solubility in Water: Completely soluble, pH 9.5 %Non-volatiles: $12-25\%$ Appearance and Odor: Opaque liquid or blue-violet cream with foul odor, ammoniacal residue. | | | |
| Flash Point (Closed cup): N/A Flammable Limits - UEL: N/A LEL: N/A Extinguishing Media: Foam, water or CO2 where applicable Special Fire Fighting Procedures: None needed SECTION V - Reactivity Data STABILITY Stable [X] Unstable [] Incompatibility (Materials to Avoid): Reducing agent: metals, wool, some organics. Hazardous Decomposition or Byproducts: Advanced decomposition may yield nitrates, hydrogen sulfide, ammonia. Hazardous Polymerization: May Occur [] Will not Occur [X] | | | |
| Chemicals or Conditions to Avoid: Excessive heat will promote decomposition. May react exothermically with concentrated oxidizers such as peroxides and persulfates. | | | |

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SECTION VI - Health Hazard Data

Routes of Entry: Skin? [X]

Eyes? [X]

Inhalation? []

Ingestion? [X]

Health Hazards:

Acute [X]

Chronic []

Strong keratolytic may dissolve or disrupt skin and esophagus tissue. Acute irritation of the eyes. Gastrointestinal disruption may occur if swallowed.

Carcinogenicity:

NTP? Not listed

IARC? Not listed

OSHA Regulated? No

Signs & Symptoms of Exposure: May be acute reddening or burning of the eyes or reddening of exposed skin. Skin and hair may slough off after prolonged exposure. Gastrointestinal difficulty may occur if ingested.

Medical Conditions Aggravated by Exposure: None known

Emergency & First Aid Procedures: For eye contact, irrigate eye with warm water for ten minutes minimum. If swallowed, give two glasses of water. Do not induce vomiting. Seek medical attention immediately. Never give an unconscious person anything by mouth.

SECTION VII - Precautions For Safe Handling and Use

If Material is Released or Spilled: Sweep or shovel spillage into appropriate waste receptacle. Wash down residue with water and/or detergent.

Waste Disposal Method: General refuse

General refuse disposal is adequate; should be acceptable to local,

state and federal requirements.

Precautions to be Taken in Handling & Storage: Floors may become slippery if spilled.

SECTION VIII - Control Measures

Respiratory Protection:

Ventilation (local):

Eye Protection:

Protective Gloves:

Protective Clothing:

Needed []

Not Needed []

To the best of Raani's knowledge, this product is not regulated by CERCLA/RCRA as a hazardous waste or material. However, this product has not been tested for toxicity characteristics. DOT classification: Toiletries.

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