

Fire

Suppression System in
Server Rm.**ANSUL**ANSUL FIRE PROTECTION
MARINETTE, WI 54143-2542

MATERIAL SAFETY DATA SHEET

FORAY

QUICK IDENTIFIER (In Plant Common Name)

| | |
|--|---|
| Manufacturer's Name: ANSUL FIRE PROTECTION | Emergency Telephone No.: CHEMTREC (800) 424-9300 |
| Address: One Stanton Street, Marinette, WI 54143-2542 | Other Information (715) 735-7411 Calls: |
| Prepared By: Safety and Health Department | Date Prepared: October 29, 1992 |

1005)

SECTION 1 — IDENTITY

| | | | |
|---|---|------------------|----------------|
| Common Name: (used on label) (Trade Name and Synonyms) | FORAY Dry Chemical Extinguishing Agent | CAS No.: | N/A |
| Chemical Name: | N/A This is a Mixture | Chemical Family: | Mixture |
| Formula: | N/A | | |

SECTION 2 — INGREDIENTS

| PART A — HAZARDOUS INGREDIENTS | | | |
|---|------------|---|---------------------|
| Principal Hazardous Component(s) (chemical and common name(s)): | CAS No. | ACGIH TLV | Acute Toxicity Data |
| Muscovite Mica | 12001-26-2 | 20 mppcf* | NDA |
| Magnesium Aluminum Silicate (Attapulgite Clay) | 8031-18-3 | 10 mg/M ³ | NDA |
| *Million particles per cubic foot | | | |
| PART B — OTHER INGREDIENTS | | | |
| Other Component(s) (chemical and common name(s)): | CAS No. | Acute Toxicity Data | |
| Proprietary Mixtures of: Monoammonium Phosphate | 7722-76-1 | Oral (Rat) LD ₅₀ 5750 mg/kg | |
| Ammonium Sulfate | 7783-20-2 | Oral (Rat) LD ₅₀ 3000 mg/kg | |
| Methyl Hydrogen Polysiloxane | 63148-57-2 | NDA | |
| Yellow Pigment | 5468-75-7 | NDA | |

SECTION 3 — PHYSICAL AND CHEMICAL CHARACTERISTICS (Fire and Explosion Data)

| | | | | | |
|-------------------------------------|---|--|------------|--------------------------|-----|
| Boiling Point: | N/A | Specific Gravity (H ₂ O = 1): | N/A | Vapor Pressure (mm Hg): | N/A |
| Percent Volatile by Volume (%): | N/A | Vapor Density (Air = 1): | N/A | Evaporation Rate (= 1): | N/A |
| Solubility in Water: | Slight | Reactivity in Water: | Unreactive | | |
| Appearance and Odor: | Yellow colored powder, no characteristic odor | | | | |
| Flash Point: | None | Flammable Limits in Air % by Volume: | N/A | Extinguisher Media: | N/A |
| Auto-ignition Temperature: | N/A | | | | |
| Special Fire Fighting Procedures: | NONE - THIS IS AN EXTINGUISHING AGENT | | | | |
| Unusual Fire and Explosion Hazards: | None | | | | |

SECTION 4 — PHYSICAL HAZARDS

| | | | |
|---------------------------------------|--|----------------------|-----|
| Stability: | Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/> | Conditions to Avoid: | N/A |
| Incompatibility (Materials to Avoid): | Strong alkalis, Mg, oxidizers that can release chlorine per NFPA 43A | | |
| Hazardous Decomposition Products: | NH ₃ and/or PO _x may be evolved | | |
| Hazardous Polymerization: | May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/> | Conditions to Avoid: | N/A |

SECTION 5 — HEALTH HAZARDS 10051

| | | | |
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| Threshold Limit Value: | OSHA nuisance dust limit of 15 mg/M ³ or ACGIH nuisance dust value of 10 mg/M ³ for the eight hour time-weighted average. | | |
| Routes of Entry: Eye Contact: | Mildly irritating for a short period of time. | | |
| Skin Contact: | May be mildly irritating. | | |
| Inhalation: | Treat as a mineral dust. Irritant to the respiratory tract. | | |
| Ingestion: | Not an expected route of entry. | | |
| Signs and Symptoms: | Acute Overexposure: Transient cough, shortness of breath. Chronic Overexposure: Chronic fibrosis of the lung, pneumoconiosis. | | |
| Medical Conditions Generally Aggravated by Exposure: | Reactive airway | | |
| Chemical Listed as Carcinogen or Potential: | National Toxicology Program: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | I.A.R.C. Monographs: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | OSHA: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |

SECTION 6 — EMERGENCY AND FIRST AID PROCEDURES

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|---------------|--|
| Eye Contact: | Flush with large amounts of water; if irritation persists, seek Medical attention. |
| Skin Contact: | Wash with soap and water; if irritation persists, seek Medical attention. |
| Inhalation: | Remove victim to fresh air. Seek Medical attention if discomfort continues. |
| Ingestion: | If patient is conscious, give large amounts of water and induce vomiting. Seek Medical help. |

SECTION 7 — SPECIAL PROTECTION INFORMATION

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|---|---|-----------------------|---|
| Respiratory Protection (Specify Type): | Dust mask where dustiness is prevalent, or TLV exceeded. Mechanical filter respirator if exposure is prolonged. | | |
| Ventilation: | Local Exhaust: Discretionary | Mechanical (General): | Recommended |
| Protective Gloves: | N/A | Eye Protection: | Recommended as mechanical barrier for prolonged exposure. |
| Other Protective Clothing or Equipment: | If irritation occurs, long sleeves and impervious gloves should be worn. | | |

SECTION 8 — SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

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| Precautions to be Taken in Handling and Storage: | Should be stored in original container or Ansul fire extinguisher. |
| Other Precautions: | Do not mix agents. |
| Steps to be Taken in Case Material is Released or Spilled: | Sweep up. |
| Waste Disposal Methods: | Dispose of in compliance with local, state, and federal regulations. |

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATINGS

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|---|-----------------------|
| HAZARD INDEX: | |
| 4 Severe Hazard | <u>1</u> HEALTH |
| 3 Serious Hazard | <u>0</u> FLAMMABILITY |
| 2 Moderate Hazard | <u>0</u> REACTIVITY |
| 1 Slight Hazard | |
| 0 Minimal Hazard | |
| N/A = Not Applicable NDA = No Data Available | |

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