

FORAY

QUICK IDENTIFIER (In Plant Common Name)

Manufacturer's Name:	ANSUL INCORPORATED	Emergency Telephone No.:	CHEMTREC (800) 424-9300 or (703) 527-3887
Address:	One Stanton Street, Marinette, WI 54143-2542	Other Information Calls:	(715) 735-7411
Prepared By:	Safety and Health Department	Date Prepared:	June, 2001

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)):	Wt. %	CAS No.	ACGIH TLV	Acute Toxicity Data
Magnesium Aluminum Silicate (Attapulgite Clay)	5-7	8031-18-3	10 mg/M ³	NDA
Calcium Carbonate	<3	1317-65-3	10 mg/M ³	NDA
or				
Muscovite Mica	<2	12001-26-2	3 mg/M ³	NDA
The above ingredients are classified as "nuisance dusts" by ACGIH. As with any dusts, they may, in the case of prolonged or continuous exposure, have adverse health effects on some people. However, in normal use in Seller's products, exposure to these dusts should produce no significant toxic effects when exposures are kept under reasonable control.				
PART B – OTHER INGREDIENTS				
Other Component(s) (chemical and common name(s)):	Wt. %	CAS No.	ACGIH TLV	Acute Toxicity Data
Proprietary Mixtures of: Monoammonium Phosphate	65-82	7722-76-1	Not Established	Oral (Rat) LD ₅₀ 5750 mg/kg
Ammonium Sulfate	12-25	7783-20-2	Not Established	Oral (Rat) LD ₅₀ 3000 mg/kg
Methyl Hydrogen Polysiloxane	<1	63148-57-2	Not Established	NDA
Yellow Pigment	<.05	5468-75-7	Not Established	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. See NFPA 10 A-2-1 and NFPA 430 A-2-11.6.1.			
Hazardous Decomposition Products:	NH ₃ and/or PO _x may be evolved, NCl ₃ if used on oxidizers that can release chlorine.			
Hazardous Polymerization:	May Occur <input type="checkbox"/>	Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid:	N/A

SECTION 5 – HEALTH HAZARDS

FORAY (Continued)

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"/>	I.A.R.C. Monographs:	Yes <input type="checkbox"/>	OSHA: Yes <input type="checkbox"/>
		No <input checked="" type="checkbox"/>		No <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>

SECTION 6 – EMERGENCY AND FIRST AID PROCEDURES

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

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

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

HAZARD INDEX: 4 Severe Hazard 3 Serious Hazard 2 Moderate Hazard 1 Slight Hazard 0 Minimal Hazard	_____ 1 HEALTH _____ 0 FLAMMABILITY _____ 0 REACTIVITY	WHMIS RATING:  D2B – Product may irritate skin or mucous membrane.
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N/A = Not Applicable NDA = No Data Available

MSDS AVAILABILITY	
MSDS AVAILABLE AT www.ansul.com	MSDS FAX ON DEMAND: 1-800-323-8493 or 715-735-7411, extension 3091
AGENT FORAY	INDEX NUMBER 85308

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