

FORAY [ABC]

QUICK IDENTIFIER (in Plant Common Name)

Manufacturer's Name:	ANSUL FIRE PROTECTION, WORMALD U.S., INC.	Emergency Telephone No.:	(715) 735-7411
Address:	One Stanton Street, Marinette, WI 54143-2542	Other Information Calls:	Same
Prepared By:	Safety and Health Department	Date Prepared:	June 1, 1986

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	less than 5	12001-26-2	20 mppcf*	NDA
Magnesium Aluminum Silicate	less than 5	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
Monoammonium Phosphate	Greater than 75	7722-76-1	NDA
Ammonium Sulfate	Greater than 10	7783-20-2	NDA
Methyl Hydrogen Polysiloxane	Less than 1	63148-57-2	NDA
Yellow Pigment	Less than 0.1	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:	N/A THIS IS AN EXTINGUISHING AGENT						

Unusual Fire and Explosion Hazards: None

SECTION 4 — PHYSICAL HAZARDS

Stability: ☐ Unstable ☒ Stable ☐ Conditions to Avoid: N/A

Incompatibility (Materials to Avoid): Strong alkalis, Mg

Hazardous Decomposition Products: NH_3 and/or PO_x may be evolved.

Hazardous Polymerization: ☐ May Occur ☐ Conditions Will Not Occur ☒ to Avoid: N/A

SECTION 5 — HEALTH HAZARDS

Threshold 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:

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 ☒ No

I.A.R.C. Monographs: ☐ Yes ☒ No

OSHA: ☐ Yes ☒ No

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

SECTION 5 — HEALTH HAZARDS

Threshold Limit Value: OSHA nuisance dust limit of 15 mg/m³ or ACGIH Nuisance dust value of 10 mg/m³ 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 ☐
No ☒

I.A.R.C. Monographs:

Yes ☐
No ☒

OSHA: Yes ☐
No ☒

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: with local, state, and federal regulations.