

I. Identification of the Substance/Preparation and of the Company

Trade Name: PLUS-FIFTY B
 Manufacturer/Supplier: ANSUL INCORPORATED
 Address: One Stanton Street, Marinette, WI 54143-2542
 Prepared by: Safety and Health Department
 Phone: 715-735-7411
 Fax: 715-732-3472
 Internet/Home Page: <http://www.ansul.com>
 Emergency Phone Number: CHEMTREC 800-424-9300 or 703-527-3887
 Date of Issue: February 2002

II. Composition/Information on Ingredients

Component	Wt. %	CAS No.	EINECS	Class, R, and S Phrases
Sodium Bicarbonate:	60-75	144-55-8	205-633-8	(See Section XV)
Calcium Carbonate:	20-30	471-34-1	207-439-9	(See Section XV)
Magnesium Stearate:	1-2	557-04-0	209-150-3	(See Section XV)
Blue Pigment (Hostaperm Blue):	<0.005	147-14-8	205-685-1	(See Section XV)

III. Hazards Identification**For Humans****Threshold Limit Values:**

Nuisance dust limit: OSHA TWA: 15 mg/m³
 ACGIH TLV-TWA 10 mg/m³

Signs and Symptoms:**Acute Exposure:**

Eye Contact: Mildly irritating for short periods of time.
 Inhalation: Treat as a mineral dust. Irritant to the respiratory tract.
 Skin Contact: May be mildly irritating.
 Ingestion: Not an expected route of entry.

Chronic Overexposure: Lungs, Gastrointestinal, and kidney can be affected.

Medical Conditions Generally Aggravated by Exposure: Respiratory problems.

Chemical Listed as Carcinogen or Potential Carcinogen:

National Toxicology Program ☒ No I.A.R.C. Monographs ☒ No OSHA ☒ No

For Environment: (See Section XII).

WHMIS Information:

**IV. First-Aid Measures**

Inhalation: Remove victim to fresh air. Seek medical attention if discomfort continues.
 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.
 Ingestion: If patient is conscious, give large amounts of water and induce vomiting. Seek medical help.

V. Fire-Fighting Measures

Extinguishing Media: THIS IS AN EXTINGUISHING AGENT.
 Special Procedures: None.
 Unusual Fire and Explosion Hazards: None.

VI. Accidental Release Measures

Personal Precautions:

Respiratory Protection: (See Section VIII)
Hand Protection: (See Section VIII)
Eye Protection: (See Section VIII)
Skin and Body Protection: (See Section VIII)

Clean up Precautions: Sweep up and put in closed container.

Waste Disposal Methods: (See Section XIII)

VII. Handling and Storage

Handling: Do not mix Fire Protection Agents.

Storage: Store in original container or Ansul fire extinguisher.

VIII. Exposure Controls/Personal Protection

Respiratory: Dust mask where dustiness is prevalent, or TLV is exceeded. Use mechanical filter respirator if exposure is prolonged.

Mechanical ventilation is recommended.

Hand: None normally needed. Use impervious gloves if irritation occurs.

Eye: Chemical goggles recommended as mechanical barrier for prolonged exposure.

Skin and Body: If irritation occurs, use long sleeves.

IX. Physical and Chemical Properties

Appearance: Powder.

Color: Blue.

Odor: None.

Relative Density ($H_2O = 1$): Not applicable.

Solubility in Water: Slight.

pH (If in water, % Conc.): Not determined.

Boiling Point: Not applicable.

Vapor Pressure (mm Hg): Not applicable.

Vapor Density (Air =1): Not applicable.

Flash Point: None.

Flammability Limits in Air
(% by volume): Nonflammable.

Autoflammability: Nonflammable.

Explosive Properties: Not explosive.

Oxidizing Properties: None.

X. Stability and Reactivity

Stability: Stable ☒ Unstable ☐

Conditions to Avoid: None.

Hazardous Reactions: Will not occur ☒ May occur ☐

Conditions to Avoid: None.

Materials to Avoid: Strong acids, NaK alloy, and $NH_4H_2PO_4$.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Magnesium.

XI. Toxicological Information

This product has not been tested for toxicological effects. Product is treated as a nuisance dust.

Components:

Sodium Bicarbonate:		
Irritation Data:	Skin (human)	30 mg/3 days Mild.
	Eye (rabbit)	100 mg/30 sec. Mild
Toxicity Data:	Oral (rat) LD ₅₀	4220 mg/kg.
Target Organs:	Lungs, Gastrointestinal, and kidney.	
Calcium Carbonate:		
Irritation Data:	Skin (rabbit)	500 mg/24 hrs Moderate.
	Eye (rabbit)	750 ug/24 hrs Severe.
Toxicity Data:	Oral (rat) LD ₅₀	6450 mg/kg.

XII. Ecological Information

Mobility:	Not tested.
Absorption/Desorption:	Not tested.
Degradability:	Not tested.
Biotic and Abiotic Degradation:	Not tested.
Aerobic and Anaerobic Degradation:	Not tested.
Persistence:	Not tested.
Accumulation:	Not tested.
Bioaccumulation Potential:	Not tested.
Biomagnification:	Not tested.
Short and Long Term Effects on:	
Ecotoxicity	Not tested.
Aquatic Organisms:	Not tested.
Soil Organisms:	Not tested.
Plants and Terrestrial animals:	Not tested.
Other Adverse Effects:	Not tested.
Ozone Depletion Potential:	Not applicable.
Photochemical Ozone Creation Potential:	Not applicable.
Global Warming Potential:	From heating or reaction with acids, carbon dioxide can be generated.
Effects on Waste Water Treatment Plants:	Not tested.

XIII. Disposal Considerations

Dispose of in Compliance with local, state, and national regulations.

XIV. Transport Information

Hazard Class or Division: Not a hazardous substance.
For additional transport information, contact Ansul Incorporated.

XV. Regulatory Information

Product:

EU Classification:	Irritant.	
R Phrases:	36/37/38	Irritating to eyes, respiratory system and skin.
S Phrases:	22	Do not breathe dust.
	24/25	Avoid contact with skin and eyes.
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	36	Wear suitable protective clothing.

Limit Values for Exposure:

Nuisance dust limit:	OSHA TWA:	15 mg/m ³
	ACGIH TLV-TWA	10 mg/m ³

EINECS Status: All components are included in EINECS inventories.

Restrictions on Marketing and Use: None

Refer to any other national measures that may be relevant.

XVI. Other Information

None known.

XVII. Disclaimer

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