

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Name: Ff Exterior Topcoat
 Classification: 100% Acrylic Exterior Satin Paint
 Product No: FfE

Firefree Coatings, Inc.
 580 Irwin Street No. 1
 San Rafael, CA 94901
 www.firefree.com
 415-459-6488 Customer information Number

Emergency Contact:
 (800) 424-9300 (Chemtree USA)
 (703) 527-3887 (Chemtree Intl)

SECTION 2 – HAZARD (S) IDENTIFICATION

Primary Routes of Exposure: Eye contact, Skin Contact, Inhalation, Ingestion

Potential Acute Exposure Effects:

Eyes: May cause slight irritation
 Skin: May cause mild irritation
 Inhalation: May cause irritation of respiratory tract
 Ingestion: May be harmful if swallowed

Overexposure signs/symptoms:

Eyes: Watery, redness or irritation
 Skin: Irritation, dryness
 Inhalation: Respiratory tract irritation, coughing
 Ingestion: No specific data

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

	CAS No	Weight-%
Titanium Dioxide	13463-67-7	15-20%
Mica	1200-26-2	0-5

SECTION 4 – FIRST AID MEASURES

- General information: No special measures required, however, the use of goggles, gloves and long sleeve clothing and head covering may be recommended to avoid irritation and inhalation.
- After inhalation: Move to fresh air. Seek medical attention if symptoms continue.
- After skin contact: Remove contaminated clothing. Wash thoroughly with soap and water.
- After eye contact: Flush with large amounts of water for 15 minutes. If eye irritation persist consult a physician.
- After Ingestion: DO NOT induce vomiting. Get medical attention immediately.

SECTION 5 – FIRE FIGHTING MEASURES

- Flammable Properties: This product is not flammable
- Extinguishing Media: Use foam, carbon dioxide, dry powder, water fog, or an extinguishing agent appropriate for the surrounding area.
- Unusual Fire and Explosion Hazards: Closed containers may rupture or explode when exposed to extreme heat (due to build-up of pressure). Closed containers may explode when exposed to extreme heat. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.
- Protective Equipment: Firefighters should wear self-contained breathing apparatus and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Ensure adequate ventilation.
- Avoid contact with eyes, skin and clothing.
- Prevent further leakage or spillage
- Soak up with inert absorbent material and transfer to a suitable container for proper disposal.

SECTION 7 – HANDLING & STORAGE

- Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing vapors, spray mists or sanding dust.
- Provide adequate ventilation.
- Wear appropriate respiratory equipment if ventilation is inadequate. Wash thoroughly after handling.
- Storage: Keep container closed when not in use. Transfer only to properly labeled containers.
- Further information about storage conditions: Store in a cool place away from direct sunlight.
- Keep out of reach of children.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

	OSHA TWA	ACGIH TWA	OSHA STEL
Titanium Dioxide (d)	15 mg/m ³	10 mg/m ³	not established
Mica (d)	20 mppcf	3 mg/m ³	not established

(d): Hazardous as dust when product is sanded.

Engineering Measures: Use only in well ventilated areas. Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment:

Eye/Face Protection: Wear safety glasses or goggles

Skin Protection: Protective gloves and impervious clothing

Respiratory Protection: If exposure cannot be controlled below acceptable limits by ventilation, use an appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. A respiratory protection program meeting OSHA 1910.134 and ANSI 288.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirators' use. A dust particulate respirator approved by NIOSH should be worn when sanding or spraying. Read and follow all manufacturer's instructions.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	White
Odor:	Little or no odor
Vapor pressure:	Not available
Odor threshold:	Not available
Vapor density:	Not available
pH:	8 to 10
Density:	10.2 (lbs/gal)
Viscosity:	100-105KU
Melting/freezing point:	Not applicable
Solubility (water):	Not applicable
Boiling point/range:	Not available
Flash point:	Not available
Evaporation rate:	< 1 (butyl acetate = 1.0)
Upper flammability limit:	Not available
Lower flammability limit:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available

SECTION 10 – STABILITY & REACTIVITY

Hazardous reactions:	None known. Stable
Hazardous polymerization:	None under normal conditions
Hazardous decomposition:	None under normal use
Materials to avoid:	Strong oxidizing agents and strong acids.
Conditions to avoid:	None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

Accute effects:

Titanium Dioxide:	Oral LD50 (rat): >10,000 mg/kg
	Dermal LD50 (rabbit): >10,000 mg/kg
	Inhalation LC50 / 4 hour (rat): >6.8 ,g/l

In February 2006, IARC concluded. “There is inadequate evidence in humans for the carcinogenicity of titanium dioxide.” IARC’s Monograph 93 reports there is sufficient evidence of carcinogenicity in rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans. It is an IARC Group 2B listed material. In addition, the IARC summary concludes, “No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint.

SECTION 12 – ECOLOGICAL INFORMATION

There is no data available for this product.

SECTION 13 – DISPOSAL CONSIDERATIONS

Environmental precautions:	No data available
Disposal Instructions:	Do not allow material to drain into sewers/water supplies. Disposal should

be in accordance with local, state or federal regulations. Consider recycling.

SECTION 14 – TRANSPORT INFORMATION

Not regulated (not dangerous for transport)

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classification may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15 – REGULATORY INFORMATION

TSCA: All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory or exempt.

SECTION 16 – OTHER INFORMATION

Hazardous Material Identification System (HMS) USA:

Health	1	Not significant health hazard
Flammability	0	Non-flammable
Physical Hazard	0	Not significant

Reasonable care has been taken in the preparation of the information contained in this document.

The information contained herein is presented in good faith and is believed to be accurate as of the date prepared. Firefree Coatings, Inc., intends no warranties, makes no representation and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use. Customers are encouraged to conduct their own tests. For additional technical information contact Firefree Coatings Technical & Compliance Department.