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## Material Safety Data Sheet

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Trade Name: FireFree® 22  
Revision No. 2 December 2011

For non-emergency information contact:

(888) 990-3388

Emergency:

(800) 424-9300 (Chemtrec USA)

(703) 527-3887 (Chemtrec Intl)

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### Section I: Product Identification

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**Product Number:** FF 22  
**Product Name:** Firefree® 22  
**Product Class:** High Performance Fire Retardant Paint  
**CAS No:** Not applicable, product is a mixture and all ingredients are proprietary trade secret.

National Paint and Coatings Association, HMIS® Ratings:

Health Hazard Ratings	0-	No significant risk to health. See Section VI and IX for more information.
Flammability Hazard Ratings	0 -	not considered flammable.
Physical Hazard Ratings	0 -	minimal hazard
Reactivity Hazard	0-	minimal hazard
Disposal Procedures	2 -	Glasses, gloves and dust respirator if paint dust is anticipated in elevated concentrations. <b>Application of wet paint should not present a health hazard.</b>

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### Section II: Hazardous Ingredients

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None.

This product contains pigments and other solids necessary to formulate an intumescent fire retardant paint. These materials may be dust hazards if; excessive quantities of cured paint is released into the air. Due to the anticipated surface coating thickness, it is unlikely that excessive exposures would occur. Work practices designed to subdue dust during paint removal, such as wet methods, would be prudent. Application of wet paint would not present such a hazard under normal application conditions. Spray application in confined areas may require special controls and use of personal protective equipment. An in can preservative has been added at levels not considered hazardous.

This product made entirely in the USA.

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### Section III: Physical Data

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Boiling Range:	212°F	Vapor Density:	Neutral
Evaporation Rate:	Slower than ether	Percent volatile:	48 to 50%
VOC Content (g/l):	33 grams/liter	Water solubility:	miscible with water
Weight per Gallon:	10.4-lbs/gallon		

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### Section IV: Fire and Explosion Data

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Flammability Classification:

OSHA:	Not flammable	Flash Point:	>250°F
DOT:	Not regulated	Lower Explosive Limit (LEL):	N/A
Extinguishing Media:	N/A	Hazards of decomposition products:	None
Special Fire Protective Procedures:	None	Unusual Fire and Explosion Hazard:	Closed containers may explode due to internal pressure when exposed to extreme heat

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### Section V: Reactivity Data

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Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	May produce hazardous gases (carbon monoxide) if heated to very high temperatures

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### Section VI: Health Hazard Information

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Summary of risks: NONE

Manufacturer certifies that all chemical ingredients in this product comply with all applicable rules or orders under TSCA and that we are not offering a chemical substance for entry in violation of TSCA or any applicable rule or order thereunder.

This product does not contain any components which may contribute to significant, immediate health, physical, or environmental hazards.

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### Section VII: Spill, Leak and Disposal Procedures

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Spill/Leak Procedures:

Ventilate area. Soak liquid into an absorbent and dispose of according to local, State and Federal regulations. If the paint cures and removal is attempted, dust may be released. Clean-up personnel should wear approved respiratory protection, gloves, and goggles to prevent irritation from contact and/or inhalation.

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Waste management/Disposal:

**This product does not exhibit any characteristics of a hazardous waste. Follow all local, state and Federal regulations for proper disposal.**

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## **Section VIII: Special Information**

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Under normal application conditions, no special precautions or needs for personal protective equipment are anticipated. Exposure to this material should be limited to protect against irritation and inhalation. The use of personal protective equipment including goggles, gloves, respirators, long sleeve clothing and head covering may be recommended.

Respiratory Protection: Provide workers with NIOSH/MSHA-approved respirators in accordance with requirements.

### **Respiratory Type**

Optional disposal respirator. Half-mask air purifying respirator equipped with high efficiency particulate air (HEPA) filter cartridge. Full face-piece air purifying respirator equipped with high efficiency particulate air (HEPA) filter cartridges or powered air purifying respirator with HEPA filter cartridges. Any supplied-air respirator operated in positive pressure mode.

### **SARA Title III information.**

This product does not contain reportable quantities of substances listed under SARA Title III sections 302, 304, and 313.

### **Precautions To Be Taken in Handling and Storing.**

Keep from freezing.

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## **Section IX: Acronyms and Definitions Used in This MSDS**

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DOT:	Department of Transportation
MSHA:	Mine Safety and Health Administration
NIOSH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Safety and Health Administration
SARA:	Superfund Amendments and Reauthorization Act
TSCA:	Toxic Substance Control Act
HMIS:	Hazardous Material Identification System:

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

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