

FireFree Coatings, Incorporated USA, Safety Data Sheet

Reviewed on 15.12.2011

Date: 15.12.11

Product: FF88®

1. Identification of the substance/preparation and of the company/undertaking

- Product details:
- Trade name: FF88®
- Manufacturer/supplier: FireFree Coatings, Incorporated USA
- 580 Irwin Street, No.1
- San Rafael, CA 94901
- Tel. ++ (415)459-6488
- Fax. ++ (415)459-6055
- info@firefree.com
- Emergency Phone: ++ (800)424-9300 (Chemtrec USA)
- Emergency Phone: ++ (703) 527-3887 (Chemtrec International)

2. Composition/information on ingredients

- **Chemical Characterization**

Description:

Fire Resistant/retardant coatings.

CAS No. Not applicable, product is a mixture and all ingredients are proprietary trade secret.

EINECS: This product satisfies all the requirements of the European Inventory of Existing Chemical Substances.

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.

NICNAS: All components of this product are in compliance with the AICS listing.

Dangerous components: Void

3. Hazard identification

- **Hazard description:** May cause sensitization by skin contact.
- **Information concerning particular hazards for human and environment:** Not applicable

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:** Remove to fresh air; consult a Physician in case of complaints.
- **After skin contact:** Wash with water and soap as a precaution. If skin irritation, call a physician.

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- **After eye contact:** Flush with water for at least 15 minutes. If eye irritations persist consult a Physician.
 - **After swallowing:** Drink 1 or 2 glasses of water. DO NOT induce vomiting. Consult a Physician. Never give anything by mouth to an unconscious person.
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5. Fire-fighting measures

- **Suitable extinguishing agents:** Use extinguishing media appropriate for surrounding fire. **CO2 powder or water spray:** Fight larger fires with water or alcohol resistant foam.
 - **Protective equipment:** No special measures required.
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6. Accidental release measure

- **Person-related safety precautions:** Not required.
 - **Measures for environment protection:** Do not allow to enter sewers/surface or ground water.
 - **Measures for cleaning/collecting:** Pick up mechanically.
 - **Additional information:** No dangerous substances are release.
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7. Handling and storage

- **Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. **Information for safe handling:** No special measures required.
- **Information about fire and explosion protection:** No special measures required.
- **Storage conditions:** keep from freezing – product stability may be affected. **STIR WELL BEFORE USE.**
- **Storage temperature:** 10 – 29 ° C
- **Requirements to be met storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in a cool place and away from direct sunlight.

8. Exposure control/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7
- **Ingredients with limit values require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be mentioned at the work place.
- **Additional information:** The list valid during the making were used as basis.
- **Personal precautions:** Use personal protective equipment
Keep people away from and upwind of spill/leak
Material can create slippery conditions.
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.

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- **Respiratory protection:** Not required, however, make sure plenty of ventilation is allowed. Lack of adequate ventilation may result in airborne levels of vinyl acetate and/or acetaldehyde above established exposure limits in the workplace. Monitoring the workplace to determine actual vinyl acetate/acetaldehyde levels is recommended.
- **Product handling:** Protective gloves.
- **Eye protection:** Safety goggles or side shield spectacles.

9. Physical and chemical properties

Physical state:	Liquid
Colour:	White
Odour:	Minimum
pH:	8.3 – 8.5
Boiling point/boiling range:	100° C
Flash point:	>121° C
Lower explosion limit:	Not Applicable
Upper explosion limit:	Not Applicable
Vapour pressure:	Not Applicable
Relative vapour density:	Water
Water solubility:	miscible with water
Relative density:	1,00 – 1,20
Viscosity, dynamic:	110-115
Evaporation rate:	slower than ether
Percent volatility:	48 - 50%

NOTE: The physical data presented above are typical values and should not be construed as a specification

10. Stability and reactivity

Hazardous reactions	None known. Stable
Materials to avoid:	There are no known materials which are incompatible with this product.
Polymerization:	Will not occur

11. Toxicological information

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

Acute oral toxicity:	No data is available
Acute dermal toxicity:	No data is available
Skin irritation:	No data is available
Eye irritation:	No data is available
Subchronic toxicity:	No data is available

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There is no data available for this product.

13. Disposal considerations

Environmental precautions:	No data is available
Disposal:	Safety glasses, gloves and dust respirator if paint dust is anticipated in elevated concentrations. Application of wet paint should not present a health hazard.
European waste catalogue:	The definite assignment of this material to the appropriate EWC Group and thus its proper EWC code will depend on the use that is made of this material. Contact waste disposal services.

14. Transport information

Classification for ROAD and Rail transport (ADR/RID):	Not regulated (not dangerous for transport)
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Classification for SEA transport (IMO-IMDG):	Not regulated (Not dangerous for transport)
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Classification for AIR transport (IATA/ICAO):	Not regulated (Not dangerous for transport)
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15. Regulatory information

Label:	Observe the general safety regulations when handling chemicals. The substance is not subject to classification regulations according to EU lists and other sources of literature known to us.
Hazard symbol and indication of danger:	Not considered flammable

16. Other information

In accordance to EPA method 24, this product's VOC content is of 33 grams per litre.

Emergency telephone number	
European Region	+ 33 (0) 140025045
United States of America	+ 1 215 592 3000

Legend	
CAS	Chemical Abstracts Service
EINECS	European Inventory of Existing Commercial Substances
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compound
EPA	Environmental Protection Agency

The information provided in this Safety Data Sheet is correct to the best of our knowledge. The information given is designed only as guidance for safe handling, storage, use, transportation and disposal and is not to be considered a warranty or quality specification. Customers are encouraged to conduct their own tests. For additional technical information contact Firefree Coatings, Inc.