



SUNSEEKER ENTERPRISES, INC.
4300 PROMENADE WAY #116 MARINA DEL REY, CA 90292
Information Telephone Number: (818) 486-4662

SPF 3000 BASE FORMULA MATERIAL HAZARDS & SAFETY SHEET

SECTION 1: IDENTIFICATION

Sun FireDefense SPF 3000 Base Fire Retardant is a fire retarding agent specially formulated to effectively and safely protect most absorbent materials like wood, fabric, fiberglass and foam. The product bonds with the substrate on which it is applied and seals out oxygen, stopping dangerous flames from igniting and spreading. The product also inhibits the development of hydrocarbon smoke. The product is non-flammable, safe to store, handle and use, leaves no residue, and is environmentally safe. It has been rated Class "A" for ASTM E84 Standard for Construction Materials (Flame Spread 15, Smoke Development 85), and has passed NFPA 701 Standard for Films and Fabrics.

Product: Class A Fire Retardant

Retarding Power: After Treatment of retardant on most absorbent surfaces, there is zero flame spread.

Applications: Spray on absorbent surfaces of all types (wood, paper, cotton, furnishing, all non-polymer surfaces). Can also be applied via brush or roller.

Flame Rating: 30 Minutes; Flame Spread Index: 15

SECTION 2: HAZARD IDENTIFICATION

No components are believed to be hazardous or listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 1988, or are listed as hazardous by SARA, CERCLA, or RCRA. No OSHA PEL's are established for any of the other ingredients.

IMO Hazard Class and Number: Non Hazardous

UN Number: Not applicable

US DOT Hazard Class: Not regulated by DOT

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

None of the components of this product are hazardous.

SECTION 4: FIRST AID MEASURES

Eyes: Immediately flush eyes with water for 15 minutes. Seek medical aid if irritate persists.

Skin: Flush affected area and rinse with water.

Inhalation: Negligible. Remove to fresh air.

Ingestion: Drink Water. Obtain medical attention if necessary.

SECTION 5: FIRE - FIGHTING MEASURES

Flash Point: Not applicable.

Flammable Limits: Non- Flammable.

LEL: Not Applicable.

UEL: Not Applicable.

Extinguishing Media: Not applicable.

Special Fire Fighting Procedures: None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Rinse affected area with water. Will not harm the environment. **Waste**

Disposal Method: Dispose as non-hazardous waste in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

Storage and Handling Precautions: Store in temperatures from 32° F to 120° F in closed containers to prevent evaporation and deterioration. Freezing will not damage material as long as container remains intact.

Handling: Retardant is neutral. It will remove oil from the skin and will irritate the eyes if sprayed directly into them. When handling bulk concentrate, eye protection, gloves, and impervious clothing should be worn when there is a danger of splashing, prolonged exposure to vapor, or prolonged skin contact, as with all chemicals. Do not ingest, splash into eyes, or inhale for long periods.

Other Precautions: Although components have low hazard levels, the product will remove oils from the skin like common soap. Avoid prolonged skin contact.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory Protection: Not required.

Ventilation: No special ventilation is required.

Protective Gloves: We are if there is prolonged skin contact.

Eye Protection: We are if needed to prevent reasonable probability of eye contact.

Work/ Hygienic Practices: Do not ingest, splash into eyes, do not inhale for prolonged periods.

Exposure Limits

OSHA PEL: Not Established. ACGIII TLV: Not Established.

Routes of Entry Inhalation: Yes. Skin: Yes. Ingestion: Yes.

Signs and Symptoms of Exposure

Skin: Negligible Hazard. Not a primary skin irritant. Eyes. not a primary ocular irritant.

Inhalation: Negligible.

Ingestion: Hazard is low. Material considered non-toxic.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212° F.

pH: 7.0

Water Solubility: 100%

Shelf Life: 2 years (when stored in closed containers between 32° F and 120° F).

Appearance and Odor: Mild Fresh Scent. Does not contain d-limonene. Clear Color.

Flash Point: Negligible

Vapor Pressure (mm Hg): Same as water.

Specific Gravity: 1.09 @ 60° F.

Dilution Strength: Do not dilute.

Residue: Product leaves little to no residue.

Flammability: Non-Flammable

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: None.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide. **Hazardous**

Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity: in accordance with U.S. EPA Office of Pollution Prevention and Toxins, criteria for ranking the acute toxicity of chemicals, the product is considered to be of low concern.

Carcinogenic

NTP? No.

IARC? No.

OSHA Regulated? No.

Routes of Entry

Inhalation: Yes. Skin: Yes. Ingestion: Yes.

Signs and Symptoms of Exposure

Skin: Negligible Hazard. Not a primary skin irritant. Wash hands with soap if directly exposure.

Eyes: Not a primary ocular irritant. Flush eyes thoroughly with water if directly exposed.

Inhalation: Negligible.

Ingestion: Hazard is low. Material considered non-toxic. Drink water. If a large quantity is consumed, contact your local poison control center.

SECTION 12: ECOLOGICAL INFORMATION & DISPOSAL

Biodegradability: 100% in 21 days under ideal conditions.

Disposal: Retardant itself may be disposed through municipal systems