



## Material Safety Data Sheet

April 2014

### 1. Identification

**Company Identification:**

framesi North America  
17 Avenue A  
Leetsdale, PA 15056  
Customer Service: 800.321.9648

**Product Name: BY framesi SO Stiff Extreme Hold Hair Spray**

Chemical Family: Personal Care Product  
General Use: Hair Care Styling

**Chemical Emergency Phone: CHEMTREC 800.424.9300**

### 2. Hazard(s) Ingredient Information

Hazardous Components	CAS#	Percentage
SD Alcohol 40-B (Alcohol Denat.)	64-17-5	< 55
Hydrofluorocarbon 152a	75-37-6	< 35
2-Amino-2-Methyl-1propanol	124-68-5	< 1

### 3. Hazards Identification

**Warning: Flammable Aerosol**

**Primary Route of Entry:** Skin and eye contact, inhalation

**Effects of Exposure**

Ingestion: May cause gastrointestinal irritation.  
Eyes: Liquid and vapor may cause mild to severe eye irritation.  
Skin: Repeated contact may cause irritation and drying of the skin.  
Inhalation: Vapor may cause irritation to the upper respiratory tract.

### 4. First Aid Measures

**Inhalation:** Remove to ventilated area, consult a physician if needed.

**Skin Contact:** Wash product off with soap and water, consult a physician if needed.

**Eye Contact:** Flush with water for at least 15 minutes, consult a physician if needed.

**Ingestion:** Consult a physician or poison control.

## 5. Fire Fighting Measures

**Flammability Classification:** Flammable

**Flash Point and Method HFC 152a:** 65 Degrees F, Open Cup (for pure ethanol)

### NFPA Hazard Classification

Health: 1      Flammability: 3      Reactivity: 0  
Other: Physical and Chemical Hazard

### HMIS Hazard Classification

Health: 1      Flammability: 3      Reactivity: 0  
Protection: Personal Protection

**Extinguishing Media:** Water spray, carbon dioxide, ABC all-purpose extinguisher

**Explosion Data:** Sensitivity to impact, sensitivity to static discharge

**Hazardous Combustion Products:** The release of the following substances is possible in a fire: Carbon Monoxide, Carbon Dioxide, unburned hydrocarbons, Nitrous oxides. Container may explode when heated.

## 6. Accidental Release Measures

**Spill or Leak:** Remove all sources of ignition. Evacuate personnel to safe areas and ensure adequate ventilation. Use personal protective equipment.

**Disposal Methods:** this should not be released into the environment. Unknown method of containment or clean up.

## 7. Handling and Storage

**Handling Procedures:** Contents under pressure. Keep out of the reach of children. Observe label precautions. Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors or mists.

**Storage Requirements:** Store in a ventilated temperature controlled environment. Keep away from open flames, hot surfaces and sources of ignition.

## 8. Exposure Controls/Personal Protection

**Exposure Limits:** Ethanol: 1000 ppm ACGIH TLV      1000 ppm OSHA PEL

**Protective Equipment:** None needed for normal use. Avoid breathing vapors, mist or gas. Use in well ventilated area.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Clear liquid
<b>Physical State:</b>	Aerosol
<b>Odor:</b>	Characteristic odor
<b>pH as supplied:</b>	7.5
<b>Specific Gravity:</b>	0.817

**Section 9 continued**

**Solubility in Water:** Soluble  
**Boiling Point of concentrate:** 175 degrees F  
**Vapor Density:** N/A (air = 1)  
**Vapor Pressure (mmHg):** 45-55 psig @ 70 degrees F  
**Freezing/Melting Point:** N/A  
**Evaporation Rate:** < 1

**10. Stability and Reactivity**

**Stability:** Stable under normal conditions  
**Conditions and Material to Avoid:** Avoid extreme heat, fire, sparks or open flame. Keep away from open flames, hot surfaces and sources of ignition. Avoid strong oxidizing agents.  
**Hazardous Polymerization:** Will not occur  
**Hazardous Decompositions Products or By-Products:** Carbon Oxides, Nitrogen Oxides

**11. Toxicological Information**

This is a personal product and is safe for use when following directions.

**12. Ecological Information**

Not available

**13. Disposal Considerations**

Small amounts can be washed to a drain with water or absorbed with the appropriate measures and disposed of in accordance with local, state and federal guidelines. Recycle plastic containers whenever possible.

**14. Transport Information**

SHIPPING NAME: Regulated 49 CFR (RND) UN1950, AEROSOLS, FLAMMABLE, 2.1, "LTD.QTY."  
Regulated IATA (AIR) UN1950, AEROSOLS, FLAMMABLE, 2.1, "LTD.QTY."  
Regulated IATA (AIR) ID 8000, CONSUMER COMMODITY, 9  
Regulated IMDG (OCN) UN1950, AEROSOLS, FLAMMABLE, 2.1, "LTD.QTY."



HAZCHEM CODE: Regulated Aerosol Level: (1)

**15. Regulatory Information**

None

## **16. Other Information**

Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in preparation of such information, framesi North America extends no warranties, makes no representations and assumes no responsibility as to accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.