



Safety Data Sheet

February 2017

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

Appearance: Clear liquid

Physical State: Aerosol

Odor: Characteristic odor

pH as supplied: 7.5

Specific Gravity: 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.