

MATERIAL SAFETY DATA SHEET

TRESSA, INC.
P.O. 75320
CINCINNATI, OH 45275

1-800-879-8737
Emergency Response Number: 1-800-424-9300
Outside The U.S. Call 703-527-3887

SECTION I: IDENTIFICATION

Product name: FINISHING SPRAY (55% VOC compliant)

Product is predominantly an alcoholic solution of a hair fixative resin expelled by aliphatic and halogenated hydrocarbon propellants.

NMFC Classification: *Toilet Preparations, N.O.I., In Boxes, NMFC Item 60000, RVNX, Class 70

NFPA Class II Aerosols

SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity/Common Name)

	OSHA PEL	ACGIH TLV	%
SD Alcohol (Comprised of)			<48%
(Ethyl Alcohol CAS# 64-17-5		1000ppm	99.7)
(*T-butyl Alcohol CAS# 75-65-0		100ppm	0.1)
2-Amino-2-Methyl-1-propanol CAS# 124-68-5		N/K	< 1.5
Dimethyl Stearyl Tertiary amine CAS# 124-28-7		N/K	< 0.8
Butane CAS# 106-97-8		800ppm	<10.0%
Ethane, 1,1-Difluoro CAS# 75-37-6		N/E	<28

These materials subject to requirements of Section 311, 312 and/or 313 of SARA TITLE III.

Hazard Ratings: Health – 1, Fire – 3, Reactivity – 0, Other – 0

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (of conc.): 175°F

Melting Point: N/A

Specific Gravity (of conc.): 0.82

Vapor Pressure of Container (psig @ 70F): 45-55 (Internal presser will increase with temperature.)

Vapor Density (AIR=1): N/E

Evaporation Rate (H20=1): >1

Solubility in Water: Complete

Appearance and Odor: Concentrate (conc.) is clear to pale yellow non-viscous fragranced liquid

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point: 65F T.O.C. *

Flammable Limits: LEL 3.3* UEL 19*

Extinguishing Media: CO2 or dry chemical for small fires. Foam for large fires.

Special Fire Fighting Procedures: Addition of water fog will aid in reducing burning rate. Use of NIOSH self-contained breathing apparatus in confined areas. Use water spray to cool fire-exposed containers.

Unusual Fire and Explosion Hazards: Flammable vapors may travel along floor to be ignited by distant ignition sources. Containers exposed to fire may develop sufficient internal pressure to rupture with explosive force.

(* for pure ethanol)

SECTION V: REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Keep away from heat or ignition sources.

Incompatibility: Keep away from strong oxidizing agents.

Hazardous Decomposition or Byproducts: Combustion of liquid may form oxides of carbon and nitrogen.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known when used as directed

SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry: Inhalation, eye, skin and ingestion.

Health Hazards (Acute and Chronic): Inhalation – irritation of respiratory tract. Eye – irritation; possible damage from large doses. Ingestion – irritation of gastro-intestinal tract. Skin – possible irritation from large doses.

Carcinogenicity: N/A

Signs and Symptoms of Overexposure: Inhalation – irritation of respiratory tract, headache, dizziness, fatigue. Ingestion – irritation of gastrointestinal tract, nausea, diarrhea, vomiting. Eye – irritation or burning sensation. Skin – irritation or reddening.

Medical Conditions Generally Aggravated by Exposure: None known when used as directed.

Emergency and First Aid Procedures: Inhalation – remove victim to fresh air, obtain medical attention if necessary. Ingestion – call a physician or poison control center, induce vomiting only on the advice of a physician. Eyes – flush with water for fifteen (15) minutes, obtain medical attention if irritation persists.

(Note: This product is considered safe when used as directed.)

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Eliminate all ignition sources (vapor flammable). Ventilate area. At area where vapors may collect, wear SCBA breathing apparatus. Small spills should be flushed with large amounts of water. Large spills should be absorbed on non-flammable absorbent material for disposal. A release of 500 pounds or more may trigger the reporting requirements of CERCLA Section 103.

Waste Disposal Method(s): Incineration of liquid, incineration or landfill of contaminated absorbent in accordance with local, state or federal regulations. Contact local authorities for proper disposal method.

Precautions to be Taken in Handling and Storing: Product should be kept in cool, dry environment. Keep product away from ignition sources.

Other precautions: KEEP OUT OF REACH OF CHILDREN. DO NOT PUNCTURE OR ATTEMPT TO OPEN PRESSURIZED CONTAINER UNDER ANY CIRCUMSTANCES. DISPOSE OF CONTAINER PROPERLY. USE ONLY AS DIRECTED.

SECTION VIII: CONTROL MEASURES

Respiratory Protection (Specify Type): None necessary when product is used as directed. Avoid prolonged or repeated breathing of vapors.

Ventilation: For salon or home use, always provide adequate ventilation. Local exhaust preferred. Mechanical exhaust acceptable.

Protective Gloves: None necessary when product is used as directed.

Eye Protection: None necessary when product is used as directed. Always avoid contact with eyes.

Work/Hygienic Practices: Normal safe working practices.

Date of preparation: 6/5/03

Prepared by: David C. Ferguson

N/A: Not applicable

N/D: Not determined

N/E: Not established

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