



Material Safety Data Sheet

Section 01 – Product Identification

TIGI Linea, LP
1655 Waters Ridge Dr.
Lewisville, TX 75057
469 528-4300
800 259-8596

Print Date: May-05
Revision Date: Aug-08

In case of medical emergencies, please contact your local poison control center.
Transportation Emergency Telephone: US & North America: 1800 424-9300
International: (703) 527-3887

Product Class: Hair Straightener

Trade Name: **TIGI S Factor Seriously Straight Straightener & Shiner**

Section 02 – Hazardous Ingredients / Hazard Data

<u>Ingredient</u>	<u>CAS No</u>	<u>Percent</u>	<u>Hazardous</u>
Dimethyl Ether	115-10-6	25.0%	Yes

Section 03 – Physical Data

APPEARANCE: Opaque liquid emulsion, slight straw

STATE: Aerosol

ODOR: Characteristic

PERCENT VOLATILE: 55%

SPECIFIC GRAVITY: 1.00 – 1.02 @ 20°C

VISCOSITY: Aerosol @ ambient

EVAPORATION RATE: >1

VAPOR PRESSURE mm Hg @ 20°C: Can pressure not to exceed 180 psig @ 131°F

BOILING POINT: 173°F

VAPOR DENSITY (Air=1): >1

SOLUBILITY IN WATER: Soluble

Section 04 – Fire Fighting Measures

FLASH POINT: -30°F TCC (propellant only)

AUTOIGNITION TEMPERATURE: NA

FLAMMABILITY LIMITS IN AIR (% V): LEL = 1.8%; UEL = 9.5 %

EXTINGUISHING MEDIA: Carbon Dioxide, Foam, Dry Chemical, Water

Section 04 – Fire & Explosion Hazard Data (continued)

SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool by spraying them with water until the fire has been extinguished.

UNUSUAL FIRE & EXPLOSION HAZARDS: Containers may not be ruptured and release flammable liquids and/or gasses if exposed to the heat or fire.

Section 05 –Hazard Identification

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Direct contact of product with eyes may cause irritation, and may result in irreversible damage.

SKIN CONTACT: Not Known

INHALATION: Not Known

INGESTION: If ingested, may cause nausea and vomiting. If in aerosol form, ingestion is not likely.

Section 06 – First Aid Procedures

EYE CONTACT: If irritation or redness due to vapors develops, move victim away from exposure and into fresh air. If material gets into the eyes, flush eyes immediately with clean water for at least 15 minutes. If available, use eye-cups or eye wash fountain. If symptoms persist, get medical attention.

SKIN CONTACT: Clean affected areas with mild soap and water. Remove contaminated clothing, including shoes, and launder before reuse or discard.

INHALATION: If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, get medical attention. If victim is not breathing immediately begin artificial respiration. Get medical attention.

INGESTION: Product is not likely to be ingested. If this occurs, treat systematically. Never give fluids or induce vomiting if the victim is unconscious or having convulsions

Section 07 – Reactivity Data

STABILITY: Stable under normal conditions of storage and handling

CONDITIONS TO AVOID INSTABILITY: Do not store containers in direct sunlight or where conditions will heat them above 120°F.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION: Not Applicable

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: None Known

Section 08 – Exposure Control / Protection Information

RESPIRATORY PROTECTION: None Required

VENTILATION: Normal Ventilation adequate for recommended uses.

PROTECTIVE CLOTHING: Not necessary except as a good industrial practice.

EYE PROTECTION: Not necessary except as a good industrial practice.

OTHER PRECAUTIONS: Avoid excessive inhalation. Read and follow all label directions and cautions. Use only as directed

Section 09 – Accidental Release Measures

SPILL ON LAND (LARGE SPILL): Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without risk. Minimize breathing of vapors. Minimize skin contact. Ventilate confined spaces. **For small spills** implement the following cleanup procedures: Prevent material from entering sewers, watercourses, or low areas. Contain spilled material with sand or earth. Do not use combustible materials such as sawdust. **For large spills** implement the preceding cleanup procedures and, if in public area, keep public away and advise authorities. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SPILL ON WATER (LARGE SPILL): Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. Remove from surface by skimming or scooping up floating material. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SMALL SPILLS: Leaking containers should be placed in open containers, outdoors, away from any source of ignition, until all pressure has been released.

Section 10 – Storage and Handling

Storage Temperature: Ambient

Storage/Transport Pressure: 180 psig @ 131°F Max

Loading/Unloading Temperature: Ambient

Storage and Handling: Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials. DO NOT handle or store near an open flame, heat, or other source of ignition. Do not pressurize, cut, heat, or weld empty containers. Do not reuse containers.

Section 11 – Toxicological Information

No specific toxicological data is available for this product. Please refer to Section V for available information on potential health effects.

Section 12 – Ecological Information

No specific ecological data are available for this product. Please refer to Section IX for information regarding accidental releases and Section XVII for regulatory reporting information

Section 13 – Disposal Considerations

All recovered material should be packaged, labeled, transported, disposed and reclaimed in conformance with local, county, state, and federal regulations. May be disposed of by controlled incineration. Do not contaminate any lakes, streams, ponds, or underground water supplies. Empty containers may be disposed of as normal refuse. Please recycle whenever possible.

Section 14 – Shipping Data - Highway

U. S. DOT PROPER SHIPPING NAME:	Consumer Commodity
U. S. DOT HAZARD CLASS:	ORM-D
U. S. DOT LABELS REQUIRED:	None
U. S. DOT PLACARDS REQUIRED:	None
EMERGENCY RESPONSE GUIDE NUMBER:	NAERG# 171

Section 15 – Shipping Data – IATA (Air)

IATA PROPER SHIPPING NAME:	Consumer Commodity ORM-D (Domestic) Aerosols, Flammable, N.O.S.; UN 1950 (Export)
IATA HAZARD CLASS:	2.1
IATA LABELS REQUIRED:	Consumer Commodity ORM-D - AIR (Domestic) Flammable Gas (Export)
BILL OF LADING DESCRIPTION:	Consumer Commodity ORM-D - AIR, 9, ID 8000 (Domestic) Aerosols, Flammable, N.O.S., 2.1, UN1950 (Export)
UN/NA CODE:	NA (Domestic) UN1950 (Export)
PACKING INSTRUCTIONS:	910 (Domestic) 203/Y203 (Export) Authorization: Limited quantity
EMERGENCY RESPONSE GUIDE NUMBER:	126
EMERGENCY RESPONSE NUMBERS:	CHEMTREC: 1800 424-9300 International: (703) 527-3887

Section 16 – Shipping Data – IMDG (Water)

IMDG PROPER SHIPPING NAME:	Aerosols
IMDG HAZARD CLASS:	2.1
IMDG LABELS REQUIRED:	Carton MUST be marked "Aerosols"
IMDG SECONDARY LABELS REQUIRED:	Hollow Diamond with UN1950 marked in center
IMDG PLACARDS REQUIRED:	None
BILL OF LADING DESCRIPTION:	Aerosols, 2, UN1950
MARINE POLLUTANT:	No
EMERGENCY RESPONSE GUIDE NUMBER:	126
EMS NUMBER:	2-13
MFAG NUMBER:	620
EMERGENCY RESPONSE NUMBERS:	CHEMTREC: 1800 424-9300 International: (703) 527-3887
IMDG PAGE NUMBER:	2102
UN/NA CODE:	UN1950

Section 17 – Regulatory Information

TSCA: Components of this product are listed on the Toxic Substances Control Act (TSCA) Inventory
SARA TITLE III, Section 311-312: Acute, Fire, Sudden Release (Dimethyl Ether); Acute and Fire Hazard (Dimethyl Ether)
SARA TITLE III, Section 313: None noted
CALIFORNIA PROPOSITION 65: Not Regulated

Section 18 – Other Information

HAZARD RATING SYSTEMS: This information is for people trained in: National Paint & Coatings Association's (NPCA) Hazardous Materials Identification System (HMIS) and/or National Fire Protection Association (NFPA 704) Identification of the Fire Hazards of Materials.

	NPCA-HMIS	NFPA 704	KEY:NPCA-HMIS/NFPA 704
HEALTH	1	NA	4=Severe/Extreme
FLAMMABILITY	2	NA	3=Serious/High
REACTIVITY	0	NA	2=Moderate/Moderate 1=Slight/Slight 0=Minimal/Insignificant

EXPLANATION OF ABBREVIATIONS:

ACGIH - American Conference of Governmental Industrial Hygienists
 CAS# - Chemical Abstract System No.
 DOT -Department Of Transportation
 IMDG - International Maritime Dangerous Goods code
 NA - Not Applicable
 ND - Not Determined
 NFPA - National Fire Protection Association
 OSHA - Occupational Safety and Health Administration
 PEL - Permissible Exposure Limits
 ppm - Parts Per Million
 PMCC - Pensky-Martin Closed Cup (flash point)
 SARA - Superfund Amendments and Reauthorization Act Title I, II, III
 TLV - Threshold Limit Value

DISCLAIMER: This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by the manufacture to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. The Manufacture assumes no responsibility for injury to the recipient or third persons or for any damage to any property resulting from misuse of the product.

Prepared by: TIGI