



# SAFETY DATA SHEET

TIGI Bed Head Masterpiece Massive Shine Hairspray - ROW

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

**1**    **Product name**                               : TIGI Bed Head Masterpiece Massive Shine Hairspray - ROW  
      **Product type**                                : Hair Styling Product  
      **Internal product code**                 : 15919-024

### Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Industrial uses: Uses of substances as such or in preparations at industrial sites
Consumer uses: Private households (= general public = consumers)
Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Supplier's details**                               : TIGI Linea, Corp  
  1655 Waters Ridge Dr.  
  Lewisville, TX 75057  
  USA

**Emergency telephone number (with hours of operation)**   : Phone #: 469 528-4300 (Normal business hours)  
  Emergency #: 800.259.8596 (24 hours)  
  CHEMTREC #: 800-424-9300 or 703 527-3887 (24 hours, Transportation Emergencies)

### **Consumer Information:**

For information regarding the use of this product by a consumer, please refer directly to the product label. This industrial SDS is provided for workplace employees, per US OSHA regulations. It contains recommendations for handling of this product in an occupational, or workplace, setting.

Any first aid or warnings that are applicable to consumer use are stated directly on the product label, in accordance with all applicable government regulations.

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aerosol 1 H222;H229

Eye Irrit. 2 H319

Full text of hazard classes and H-statements : see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



Signal word (CLP) : Danger

Hazard statements (CLP) : H222 - Extremely flammable aerosol  
 H229 - Pressurised container: May burst if heated  
 H319 - Causes serious eye irritation

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P251 - Do not pierce or burn, even after use.  
 P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
 P280 - Wear protective gloves, protective clothing, and eye protection.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.  
 P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### 2.3. Other hazards

Other hazards not contributing to the : Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

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classification

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethyl alcohol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5	50 - 75	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Dimethyl ether	(CAS No) 115-10-6 (EC no) 204-065-8 (EC index no) 603-019-00-8	40 - 50	Flam. Gas 1, H220 Liquefied gas, H280
2-Amino-2-methyl-1-propanol	(CAS No) 124-68-5 (EC no) 204-709-8 (EC index no) 603-070-00-6	1 - 2	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412
Silsesquioxanes, phenyl	(CAS No) 70131-69-0 (EC no) 615-071-9	< 1	Acute Tox. 2 (Inhalation:dust,mist), H330

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
- First-aid measures after skin contact : Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.
- First-aid measures after eye contact : Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Get medical advice and attention if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Causes serious eye irritation.
- Symptoms/injuries after inhalation : May cause respiratory irritation. May displace oxygen and cause rapid suffocation. May cause drowsiness or dizziness.
- Symptoms/injuries after skin contact : May cause skin irritation. Prolonged contact with propellant escaping the container can cause frostbite and freeze burns.
- Symptoms/injuries after eye contact : Causes serious eye irritation. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.
- Symptoms/injuries after ingestion : Ingestion is likely to be harmful or have adverse effects.
- Chronic symptoms : None expected under normal conditions of use.

#### 4.3. Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide, dry chemical, foam, water spray, fog.
- Unsuitable extinguishing media : Use of heavy stream of water may spread fire.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Extremely flammable aerosol.
- Explosion hazard : Container may explode in heat of fire.
- Reactivity : Hazardous reactions will not occur under normal conditions.

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### 5.3. Advice for firefighters

- Precautionary measures fire : Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.
- Firefighting instructions : Use water spray or fog for cooling exposed containers. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin, eyes and clothing. Do not breathe vapour, gas or spray. The propellant gas in the container is a simple asphyxiant. If the container is manipulated, punctured, or if it leaks, the gas may cause asphyxiation in confined spaces.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Use appropriate personal protection equipment (PPE). For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Stop leak if safe to do so. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Isolate area until gas has dispersed. Check oxygen content before entering area. Clean up spills immediately and dispose of waste safely. Absorb spillage to prevent material damage.

### 6.4. Reference to other sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. Aerosol dispensers and receptacles, small, containing gas (gas cartridges); asphyxiant. May displace oxygen and cause rapid suffocation. May cause drowsiness or dizziness. Do not pierce or burn, even after use.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations.
- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container tightly closed. Protect from freezing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Incompatible products : Strong acids. Strong bases. Strong oxidizers. Alkaline earth metals. Powdered metals. Ammonia. Peroxides.

### 7.3. Specific end use(s)

Cosmetic Hair Care product

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ethyl alcohol (64-17-5)		
Austria	MAK (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Austria	MAK (ppm)	1000 ppm
Austria	MAK Short time value (mg/m <sup>3</sup> )	3800 mg/m <sup>3</sup>
Austria	MAK Short time value (ppm)	2000 ppm
Belgium	Limit value (mg/m <sup>3</sup> )	1907 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	1000 ppm
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (ppm)	1000 ppm
France	VLE (mg/m <sup>3</sup> )	9500 mg/m <sup>3</sup>
France	VLE (ppm)	5000 ppm
France	VME (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
France	VME (ppm)	1000 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	960 mg/m <sup>3</sup> (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	500 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece	OEL TWA (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Greece	OEL TWA (ppm)	1000 ppm
USA ACGIH	ACGIH STEL (ppm)	1000 ppm
Latvia	OEL TWA (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Spain	VLA-EC (mg/m <sup>3</sup> )	1910 mg/m <sup>3</sup>
Spain	VLA-EC (ppm)	1000 ppm
Switzerland	VLE (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Switzerland	VLE (ppm)	1000 ppm
Switzerland	VME (mg/m <sup>3</sup> )	960 mg/m <sup>3</sup>
Switzerland	VME (ppm)	500 ppm
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1000 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	5760 mg/m <sup>3</sup> (calculated)
United Kingdom	WEL STEL (ppm)	3000 ppm (calculated)
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (ppm)	1000 ppm
Estonia	OEL TWA (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	500 ppm
Estonia	OEL STEL (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Estonia	OEL STEL (ppm)	1000 ppm
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	1000 ppm
Finland	HTP-arvo (15 min)	2500 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	1300 ppm
Hungary	AK-érték	1900 mg/m <sup>3</sup>

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<b>Ethyl alcohol (64-17-5)</b>		
Hungary	CK-érték	7600 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (ppm)	1000 ppm
Lithuania	IPRV (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	500 ppm
Lithuania	TPRV (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Lithuania	TPRV (ppm)	1000 ppm
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	950 mg/m <sup>3</sup>
Norway	Grenseverdier (AN) (ppm)	500 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	950 mg/m <sup>3</sup>
Norway	Grenseverdier (Korttidsverdi) (ppm)	500 ppm
Poland	NDS (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Romania	OEL TWA (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	1000 ppm
Romania	OEL STEL (mg/m <sup>3</sup> )	9500 mg/m <sup>3</sup>
Romania	OEL STEL (ppm)	5000 ppm
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	960 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (ppm)	500 ppm
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Slovenia	OEL TWA (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Slovenia	OEL TWA (ppm)	1000 ppm
Slovenia	OEL STEL (mg/m <sup>3</sup> )	7600 mg/m <sup>3</sup>
Slovenia	OEL STEL (ppm)	4000 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	500 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	1000 ppm
Portugal	OEL TWA (ppm)	1000 ppm
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen
<b>2-Amino-2-methyl-1-propanol (124-68-5)</b>		
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	4,6 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (ppm)	1 ppm
<b>Dimethyl ether (115-10-6)</b>		
EU	IOELV TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	1000 ppm
Austria	MAK (mg/m <sup>3</sup> )	1910 mg/m <sup>3</sup>
Austria	MAK (ppm)	1000 ppm
Austria	MAK Short time value (mg/m <sup>3</sup> )	3820 mg/m <sup>3</sup>
Austria	MAK Short time value (ppm)	2000 ppm
Belgium	Limit value (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	1000 ppm
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Bulgaria	OEL TWA (ppm)	1000 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (ppm)	1000 ppm
Cyprus	OEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>

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<b>Dimethyl ether (115-10-6)</b>		
Cyprus	OEL TWA (ppm)	1000 ppm
France	VME (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup> (indicative limit)
France	VME (ppm)	1000 ppm (indicative limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (ppm)	1000 ppm
Gibraltar	OEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Gibraltar	OEL TWA (ppm)	1000 ppm
Greece	OEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Greece	OEL TWA (ppm)	1000 ppm
Italy	OEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Italy	OEL TWA (ppm)	1000 ppm
Latvia	OEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Latvia	OEL TWA (ppm)	1000 ppm
Spain	VLA-ED (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup> (indicative limit value)
Spain	VLA-ED (ppm)	1000 ppm (indicative limit value)
Switzerland	VME (mg/m <sup>3</sup> )	1910 mg/m <sup>3</sup>
Switzerland	VME (ppm)	1000 ppm
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	950 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	1500 mg/m <sup>3</sup>
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	766 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	958 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	500 ppm
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (ppm)	1000 ppm
Estonia	OEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	1000 ppm
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	2000 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	1000 ppm
Hungary	AK-érték	1920 mg/m <sup>3</sup>
Hungary	CK-érték	7680 mg/m <sup>3</sup> (Substances with European indicative limits (96/94/EC, 2000/39/EC, 2006/15/EC, 2009/161/EU), which currently has no peak limit concentration. In these cases, Annex 3.1. should be used exercised)
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	1000 ppm
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	5760 mg/m <sup>3</sup> (calculated)
Ireland	OEL (15 min ref) (ppm)	3000 ppm (calculated)
Lithuania	IPRV (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	1000 ppm
Lithuania	TPRV (mg/m <sup>3</sup> )	2280 mg/m <sup>3</sup>
Lithuania	TPRV (ppm)	1500 ppm
Luxembourg	OEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Luxembourg	OEL TWA (ppm)	1000 ppm
Malta	OEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>

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<b>Dimethyl ether (115-10-6)</b>		
Malta	OEL TWA (ppm)	1000 ppm
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	384 mg/m <sup>3</sup>
Norway	Grenseverdier (AN) (ppm)	200 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	384 mg/m <sup>3</sup>
Norway	Grenseverdier (Korttidsverdi) (ppm)	200 ppm
Poland	NDS (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Romania	OEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	1000 ppm
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (ppm)	1000 ppm
Slovenia	OEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Slovenia	OEL TWA (ppm)	1000 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	950 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	500 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	1500 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	800 ppm
Portugal	OEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup> (indicative limit value)
Portugal	OEL TWA (ppm)	1000 ppm (indicative limit value)

### 8.2. Exposure controls

Appropriate engineering controls	: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Oxygen detectors should be used when asphyxiating gases may be released.
Personal protective equipment	: Gloves. Protective goggles. Protective clothing.
Materials for protective clothing	: Chemically resistant materials and fabrics.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Chemical safety goggles.
Skin and body protection	: Wash contaminated clothing before reuse.
Respiratory protection	: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear a self-contained breathing apparatus (SCBA).
Other information	: When using, do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Evaporation rate	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Solubility	: No data available



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Partition coefficient: n-octanol/water	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable

### 9.2. Other information

VOC content : 40 - 100%

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Extremely high or low temperatures. Incompatible materials. Keep away from open flames, hot surfaces and sources of ignition. Do not freeze.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers. Alkaline earth metals. Powdered metals. Ammonia. Peroxides.

### 10.6. Hazardous decomposition products

Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Sulfur oxides. Hydrogen fluoride. Carbonyl fluoride. Fluorocarbons.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>Ethyl alcohol (64-17-5)</b>	
LD50 oral rat	10470 mg/kg
LD50 dermal rat	20 ml/kg
LC50 inhalation rat (Vapours - mg/l/4h)	124,7 mg/l/4h
<b>Silsesquioxanes, phenyl (70131-69-0)</b>	
LC50 inhalation rat (Dust/Mist - mg/l/4h)	0,5 mg/l/4h
<b>2-Amino-2-methyl-1-propanol (124-68-5)</b>	
LD50 oral rat	2900 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
<b>Dimethyl ether (115-10-6)</b>	
LC50 inhalation rat (mg/l)	308,5 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/Injuries After Inhalation	: May cause respiratory irritation. May displace oxygen and cause rapid suffocation. May cause drowsiness or dizziness.
Symptoms/Injuries After Skin Contact	: May cause skin irritation. Prolonged contact with propellant escaping the container can cause frostbite and freeze burns.
Symptoms/Injuries After Eye Contact	: Causes serious eye irritation. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.
Symptoms/Injuries After Ingestion	: Ingestion is likely to be harmful or have adverse effects.

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Chronic Symptoms : None expected under normal conditions of use.  
Potential adverse human health effects and symptoms : Harmful if swallowed.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ethyl alcohol (64-17-5)	
EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
ErC50 (algae)	1000 mg/l
2-Amino-2-methyl-1-propanol (124-68-5)	
LC50 fish 1	190 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	193 mg/l (Exposure time: 48 h - Species: Daphnia magna)

### 12.2. Persistence and degradability

TIGI Hair Spray	
Persistence and degradability	Not established.
Ethyl alcohol (64-17-5)	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

TIGI Hair Spray	
Bioaccumulative potential	Not established.
Ethyl alcohol (64-17-5)	
Log Pow	-0,32
Bioaccumulative potential	Not established.
2-Amino-2-methyl-1-propanol (124-68-5)	
BCF fish 1	< 1
Dimethyl ether (115-10-6)	
Log Pow	-0,18

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of waste material in accordance with all local, regional, national, and international regulations.

Additional information : Hazardous waste (ignitable) due to compressed flammable gas. Container remains hazardous when empty. Continue to observe all precautions.

## SECTION 14: Transport information






In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1950	1950	1950	1950	1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1

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ADR	IMDG	IATA	ADN	RID
				
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

### 14.6. Special precautions for user

No additional information available

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Ethyl alcohol - .beta.-Ionone - Geraniol - Citronellol - Citral - Geranyl acetate - Oxacyclohexadecan-2-one - 7-Octen-2-ol, 2,6-dimethyl- - Benzyl salicylate
3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	TIGI Hair Spray Multiple Varieties - European Union - Ethyl alcohol - D-Limonene - n-Hexyl acetate
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	TIGI Hair Spray Multiple Varieties - European Union - Silsesquioxanes, phenyl - Ethyl alcohol - Octanal, 2-(phenylmethylene)- - D-Limonene - Linalool - Benzene, (2,2-dimethoxy-1-methylethyl)- - Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl- - .alpha.-Terpineol - Propanedioic acid, diethyl ester - Geraniol - 3-Cyclohexene-1-carboxaldehyde, dimethyl- - Benzoic acid, 2-hydroxy-, hexyl ester - Heptanoic acid, 2-propenyl ester - Ethanone, 1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)-, [3R-(3.alpha.,3a.beta.,7.beta.,8a.alpha.)]- - Citronellol - Citral - Geranyl acetate - Oxacyclohexadecan-2-one - 7-Octen-2-ol, 2,6-dimethyl- - Benzyl salicylate - Cyclohexanepropanoic acid, 2-propenylester

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<p>3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1</p>	<p>2(3H)-Furanone, 5-heptyldihydro- - Octanal, 2-(phenylmethylene)- - D-Limonene - Butanoic acid, 1,1-dimethyl-2-phenylethyl ester - Dimethylbenzylcarbonyl acetate - Benzyl acetate - Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl- - .beta.-Ionone - 2-tert-Butylcyclohexyl acetate - 3-Cyclohexene-1-carboxaldehyde, dimethyl- - Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl- - Benzoic acid, 2-hydroxy-, hexyl ester - Heptanoic acid, 2-propenyl ester - Ethanone, 1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)-, [3R-(3.alpha.,3a.beta.,7.beta.,8a.alpha.)]- - Geranyl acetate - 7-Octen-2-ol, 2,6-dimethyl- - Benzyl salicylate - Cyclohexanepropanoic acid, 2-propenyl ester - Heptanal, 2-(phenylmethylene)- - 1,4-Dioxacyclohexadecane-5,16-dione</p>
<p>40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.</p>	<p>Ethyl alcohol - Dimethyl ether</p>

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

### Ethyl alcohol (64-17-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### 2-Amino-2-methyl-1-propanol (124-68-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### Dimethyl ether (115-10-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

VOC content : 40 - 100%

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Revision date : 21/01/2016

Data sources : According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Aerosol 1	Aerosol, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Liquefied gas	Gases under pressure : Liquefied gas
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H229	Pressurised container: May burst if heated

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H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H330	Fatal if inhaled
H412	Harmful to aquatic life with long lasting effects

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**