



Martellato

Safety Data Sheet dated 29/6/2022, version 1

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

- 1.1. Product identifier
Mixture identification:
Trade name: SHINY SPRAY 300 ML
Trade code: 40LCS201
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Spray for for polishing the chocolate
CONSUMER USE.
PROFESSIONAL USE.
Uses advised against:
Do not use for purposes other than those listed.
- 1.3. Details of the distributor of the safety data sheet
Company:
Martellato srl
Via Rovigo, 1/B – 35010
Vigonza (PD) – Italy
tel.: +39 049 7800155
fax.: +39 049 8087744
Competent person responsible for the safety data sheet:
martellato@martellato.com
- 1.4. Emergency telephone number
Company tel. Number: +39 049 7800155 (8.30-12.30 ; 14-18)

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
The mixtures is a food stuff in the finished state, intended for the final user and therefore exempted from the Reg. (EC) 1272/2008 (CLP) according to Art. 1(5)(e). This CLP classification refers only to the physical hazards.
- EC regulation criteria 1272/2008 (CLP)
Aerosols 1, H222, H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
Adverse physicochemical, human health and environmental effects:
No other hazards
- 2.2. Label elements
Hazard pictograms:

- Danger
Hazard statements:
H222, H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
Precautionary statements:
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
Special Provisions:
None
Special provisions according to Annex XVII of REACH and subsequent amendments:
None
- 2.3. Other hazards
No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$
Other Hazards:
No other hazards



Martellato

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
75 - 100 %	ETHANOL; ETHYL ALCOHOL	Index number: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 REACH No.: 01-2119457610-43	 2.6/2 Flam. Liq. 2 H225  3.3/2 Eye Irrit. 2 H319 Specific Concentration Limits: C >= 50%: Eye Irrit. 2 H319
1 - 5 %	CARBON DIOXIDE	CAS: 124-38-9 EC: 204-696-9	 2.5/L Press Gas (Liq.) H280

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, if irritation occurs.

In case of Ingestion:

Food stuff. OBTAIN A MEDICAL EXAMINATION if you feel unwell.

In case of Inhalation:

Ventilate the premises. OBTAIN A MEDICAL EXAMINATION if you feel unwell.

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

No data available for the mixture. See section 11 for symptoms and effects of the substances.

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

Treatment:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use a CO2, dry powder or alcohol-resistant foam fire extinguisher to extinguish.

Water spray jet.

Extinguishing media which must not be used for safety reasons:

Water jets.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections



Martellato

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours/mists/dust.
Don't use empty container before they have been cleaned.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Incompatible materials:
See subsection 10.5
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethanol; ethyl alcohol - CAS: 64-17-5

- OEL Type: WEL - TWA: 1920 mg/m³, 1000 ppm - Notes: United Kingdom
- OEL Type: MAK - TWA: 1900 mg/m³, 1000 ppm - STEL: 3800 mg/m³, 2000 ppm - Notes: Austria
- OEL Type: MAK - TWA: 380 mg/m³, 200 ppm - STEL(15 min): 1520 mg/m³, 800 ppm - Notes: Germany
- OEL Type: WEL - STEL(15 min): 1000 ppm - Notes: Ireland
- OEL Type: VLEP - TWA: 1900 mg/m³, 1000 ppm - STEL: 9500 mg/m³, 5000 ppm - Notes: France
- OEL Type: VLA - STEL: 1910 mg/m³, 1000 ppm - Notes: Spain
- OEL Type: VLEP - TWA: 1907 mg/m³, 1000 ppm - Notes: Belgium
- OEL Type: TLV - TWA: 1900 mg/m³, 1000 ppm - STEL: 3800 mg/m³, 2000 ppm - Notes: Denmark
- OEL Type: HTP - TWA: 1900 mg/m³, 1000 ppm - STEL(15 min): 2500 mg/m³, 1300 ppm - Notes: Finland
- OEL Type: OEL - TWA: 1000 mg/m³, 500 ppm - STEL(15 min): 1900 mg/m³, 1000 ppm - Notes: Sweden
- OEL Type: OEL - TWA: 260 mg/m³ - STEL: 1900 mg/m³ - Notes: The Netherlands
- OEL Type: OEL - TWA: 1900 mg/m³ - STEL: 7600 mg/m³ - Notes: Hungary
- OEL Type: OEL - TWA: 1900 mg/m³ - Notes: Poland
- OEL Type: VLEP - TWA: 1900 mg/m³, 1000 ppm - STEL(15 min): 9500 mg/m³, 5000 ppm - Notes: Romania
- OEL Type: MAK - TWA: 960 mg/m³, 500 ppm - STEL: 1920 mg/m³, 1000 ppm - Notes: Switzerland
- OEL Type: TWA - TWA: 1000 ppm - Notes: Portugal
- OEL Type: TLV - TWA: 950 mg/m³, 500 ppm - STEL: 1187.5 mg/m³, 625 ppm - Notes: Norway
- OEL Type: OEL - TWA: 1900 mg/m³, 1000 ppm - Notes: Greece
- OEL Type: OEL - TWA: 1000 mg/m³ - STEL: 3000 mg/m³ - Notes: Czech Republic
- OEL Type: TLV-ACGIH - STEL: 1884 mg/m³, 1000 ppm

CARBON DIOXIDE - CAS: 124-38-9

- OEL Type: MAK - TWA: 9000 mg/m³ - STEL: 18000 mg/m³ - Notes: Austria
- OEL Type: TWA - TWA(8h): 5000 ppm - STEL(15 min): 10000 ppm - Notes: Austria
- OEL Type: TWA - TWA(8h): 9131 mg/m³, 5000 ppm - STEL(15 min): 54784 mg/m³, 30000 ppm - Notes: Belgium
- OEL Type: VLE - TWA(8h): 9000 mg/m³, 5000 ppm - Notes: Italy
- OEL Type: VME - TWA(8h): 9000 mg/m³, 5000 ppm - Notes: France
- OEL Type: AGW - TWA(8h): 9100 mg/m³, 5000 ppm - Notes: Germany
- OEL Type: VLA-ED - TWA(8h): 9150 mg/m³, 5000 ppm - Notes: Spain
- OEL Type: TWA - TWA(8h): 9000 mg/m³, 5000 ppm - Notes: Denmark
- OEL Type: TWA - TWA(8h): 9150 mg/m³, 5000 ppm - STEL(15 min): 27400 mg/m³, 15000 ppm - Notes: United Kingdom
- OEL Type: MAC TWA - TWA(8h): 9000 mg/m³ - Notes: Netherlands
- OEL Type: TWA - TWA(8h): 9000 mg/m³ - Notes: Bulgaria
- OEL Type: TWA - TWA(8h): 9000 mg/m³, 5000 ppm - Notes: Cyprus
- OEL Type: TWA - TWA(8h): 9000 mg/m³, 5000 ppm - Notes: Estonia
- OEL Type: OEL - TWA(8h): 9000 mg/m³, 5000 ppm - STEL(15 min): 54000 mg/m³, 30000 ppm - Notes: Greece
- OEL Type: TWA - TWA(8h): 9000 mg/m³, 5000 ppm - Notes: Latvia
- OEL Type: VLE - TWA(8h): 9000 mg/m³, 5000 ppm - Notes: Switzerland
- OEL Type: TWA - TWA(8h): 9000 mg/m³, 5000 ppm - STEL(15 min): 45000 mg/m³, 25000 ppm - Notes: Czech Republic



Martellato

- OEL Type: TWA - TWA(8h): 9100 mg/m³, 5000 ppm - Notes: Finland
- OEL Type: VLE - TWA(8h): 9000 mg/m³ - Notes: Hungary
- OEL Type: OEL - TWA(8h): 9000 mg/m³, 5000 ppm - STEL(15 min): 27000 mg/m³, 15000 ppm - Notes: Ireland
- OEL Type: TWA - TWA(8h): 9000 mg/m³, 5000 ppm - Notes: Lithuania
- OEL Type: TWA - TWA(8h): 9000 mg/m³, 5000 ppm - Notes: Malta
- OEL Type: TWA - TWA(8h): 9000 mg/m³, 5000 ppm - Notes: Norway
- OEL Type: TWA - TWA(8h): 9000 mg/m³ - STEL(15 min): 27000 mg/m³ - Notes: Poland
- OEL Type: TWA - TWA(8h): 9000 mg/m³, 5000 ppm - STEL(15 min): 18000 mg/m³, 30000 ppm - Notes: Portugal
- OEL Type: EU - TWA(8h): 9000 mg/m³, 5000 ppm
- OEL Type: ACGIH - TWA(8h): 5000 ppm - STEL: 30000 ppm

DNEL Exposure Limit Values

ethanol; ethyl alcohol - CAS: 64-17-5

Worker Industry: 1900 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 950 mg/m³ - Consumer: 114 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 343 mg/kg bw/d - Consumer: 206 mg/kg bw/d - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 87 mg/kg bw/d - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

ethanol; ethyl alcohol - CAS: 64-17-5

Target: Fresh Water - Value: 0.96 mg/l

Target: Marine water - Value: 0.79 mg/l

Target: Microorganisms in sewage treatments - Value: 580 mg/l

Target: Freshwater sediments - Value: 3.6 mg/kg

Target: Marine water sediments - Value: 2.9 mg/kg

Target: Intermittent releases - Value: 2.75 mg/l

Target: Soil - Value: 0.63 mg/kg

Target: STP - Value: 580 mg/l

Target: Oral (Secondary poisoning) - Value: 720 mg/kg

8.2. Exposure controls

Eye protection:

In case of involuntary spread, wear safety goggles with side shields (EN 166).

Protection for skin:

Under normal conditions of use no special precautions are required.

Protection for hands:

Under normal conditions of use no special precautions are required.

If a prolonged contact with the product is expected, it's recommended to protect your hands with work gloves resistant to penetration (ref. Standard EN 374). Final choice of the gloves material must also evaluate the process of using the product and any other products derived from them. It also recalled that the latex gloves could cause sensitization effects.

Respiratory protection:

If you exceed the workplace exposure limits or cause fogging, the use of a respiratory protection device is necessary.

Thermal Hazards:

None

Environmental exposure controls:

See section 7 and 13.

Appropriate engineering controls:

Ensure adequate ventilation of the premises.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid under pressure	--	--
Colour:	various colors	--	--
Odour:	alcoholic	--	--
Melting point/freezing point:	Ethanol: - 114 °C (1013 hPa)	--	--
Boiling point or initial boiling point and boiling range:	Ethanol: 78 °C (1013 hPa)	--	--
Flammability:	Flammable	--	--



Martellato

Lower and upper explosion limit:	Ethanol: up. 13.5 %; low. 2.5 %	--	--
Flash point:	Ethanol: 13 ° C	--	--
Auto-ignition temperature:	Ethanol: 363° C (1013 Pa)	--	--
Decomposition temperature:	Not Relevant	--	--
pH:	Not applicable	--	--
Kinematic viscosity:	Not Relevant	--	--
Solubility in water:	soluble	--	--
Solubility in oil:	Not Relevant	--	--
Partition coefficient n-octanol/water (log value):	Not Relevant	--	--
Vapour pressure:	Ethanol: 5.726 Pa (20°C)	--	--
Density and/or relative density:	Ethanol: 0.79 g/ml (20°C)	--	--
Relative vapour density:	Ethanol: 1,6	--	--
Particle characteristics:			
Particle size:	Not applicable	--	--

9.2. Other information

Properties	Value	Method:	Notes
Explosive properties:	not explosive	--	See section 10
Oxidizing properties:	non-oxidizing	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

Vapours may form explosive mixtures with air.

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

ETHANOL: Oxidizing agents, peroxides, alkali metals, ammonia, hydrogen peroxide.

10.4. Conditions to avoid

Avoid overheating, electrostatic discharge and all sources of ignition.

10.5. Incompatible materials

ETHANOL: Strong inorganic acids. Oxidizing agents. Aluminum at high temperature .

Reactions with strongly oxidizing substances (perchlorates, peroxides, chromic acid, etc.) can have an explosive course. Alkaline metals in contact with ethanol develop hydrogen (flammable gas).

Reacts violently with acetyl chloride. Hypochlorite added to ethanol can cause an explosion. The addition of ethanol to concentrated hydrogen peroxide leads to the formation of an explosive compound.

10.6. Hazardous decomposition products

In case of fire or decomposition may spread gas and vapors potentially harmful for health as CO₂, carbon mono-oxide and other irritating fumes.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

The product can irritate the eyes due to its ethanol content

d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met



Martellato

- f) carcinogenicity
 - Not classified
 - Based on available data, the classification criteria are not met
- g) reproductive toxicity
 - Not classified
 - Based on available data, the classification criteria are not met
- h) STOT-single exposure
 - Not classified
 - Based on available data, the classification criteria are not met
- i) STOT-repeated exposure
 - Not classified
 - Based on available data, the classification criteria are not met
- j) aspiration hazard
 - Not classified
 - Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

ethanol; ethyl alcohol - CAS: 64-17-5

- a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat = 7000 mg/kg - Notes: OECD 401
 - Test: LC50 - Route: Inhalation - Species: Rat = 20000 ppm - Duration: 10h - Notes: OECD 403
 - Test: LD50 - Route: Skin - Species: Rabbit > 20000 mg/kg
 - Test: LD50 - Route: Oral - Species: Mouse = 3400 mg/kg
 - Test: LC50 - Route: Inhalation - Species: Mouse = 39 mg/m3 - Duration: 4h
- b) skin corrosion/irritation:
 - Test: Skin Irritant - Species: Rat Negative - Notes: OECD 404
 - Repeated or prolonged skin contact may cause dermatitis or dieback.
- c) serious eye damage/irritation:
 - Test: Eye Irritant Positive - Notes: OECD 405
- d) respiratory or skin sensitisation:
 - Test: Skin Sensitization Negative - Notes: OECD 406
- e) germ cell mutagenicity:
 - Test: In vitro chromosome aberration test Negative - Notes: OECD 475
 - Test: In vitro mammalian cell test Negative - Notes: OECD 476
- f) carcinogenicity:
 - Test: NOAEL - Route: Oral - Species: Rat > 3000 mg/kg
 - Test: NOAEL - Route: Skin - Species: Mouse (female) > 4400 mg/kg
 - Test: NOAEL - Route: Inhalation - Species: Mouse (male) > 4250 mg/kg
- g) reproductive toxicity:
 - Test: NOAEL - Route: Oral - Species: Rat = 5.2 g/kg - Notes: OECD 414
 - Test: NOAEC - Route: Inhalation - Species: Rat = 39 mg/l - Notes: OECD 414
 - Test: NOAEL - Route: Oral - Species: Mouse = 13.8 g/kg
 - Test: NOAEC - Route: Inhalation - Species: Rat > 16000 ppm
- i) STOT-repeated exposure:
 - Test: NOAEL - Route: Oral - Species: Rat = 1.73 mg/kg

CARBON DIOXIDE - CAS: 124-38-9

- a) acute toxicity:
 - Test: Acute toxicity No known effect.
- b) skin corrosion/irritation:
 - No known effect.
- c) serious eye damage/irritation:
 - No known effect.
- d) respiratory or skin sensitisation:
 - No known effect.
- e) germ cell mutagenicity:
 - No known effect.
- f) carcinogenicity:
 - No known effect.
- g) reproductive toxicity:
 - No known effect.
- h) STOT-single exposure:
 - No known effect.
- i) STOT-repeated exposure:
 - No known effect.
- j) aspiration hazard:
 - Not applicable.



Martellato



11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Not classified for environmental hazards

Based on available data, the classification criteria are not met

ethanol; ethyl alcohol - CAS: 64-17-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae (*Chlamydomonas eugametos*) = 18 g/l - Duration h: 48

Endpoint: EC50 - Species: *Ceriodaphnia dubia* = 5 g/l - Duration h: 48

Endpoint: LC50 - Species: Fish (*Pimephales promelas*) = 13.5 g/l - Duration h: 96

Endpoint: EC50 - Species: Algae (*Selenastrum capricornutum*) = 12.9 g/l - Duration h: 72

Endpoint: EC50 - Species: Algae (*Chlorella vulgaris*) = 275 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish (*salmo gairdneri*) = 13 g/l - Duration h: 96

Endpoint: EC50 - Species: *Daphnia magna* = 12.3 g/l - Duration h: 48

Endpoint: EC50 - Species: Invertebrates (*artemia salina*) > 10 g/l - Duration h: 24

Endpoint: EC50 - Species: Invertebrates (*artemia salina nauplii*) = 857 mg/l - Duration h: 48

Endpoint: NOEC - Species: Algae (*Chlamydomonas eugametos*) = 7.9 g/l

Endpoint: NOEC - Species: Algae (*Skeletonema costatum*) = 3.2 g/l - Duration h: 120

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: *Daphnia magna* > 10 mg/l - Duration h: 504

Endpoint: NOEC - Species: *Ceriodaphnia dubia* = 9.6 mg/l - Duration h: 240

Endpoint: NOEC - Species: Invertebrates (*palaemonetes pugio*) = 79 mg/l - Duration h: 240

12.2. Persistence and degradability

ethanol; ethyl alcohol - CAS: 64-17-5

Biodegradability: Readily biodegradable - Duration h: 20d - %: 84

Biodegradability: Readily biodegradable - Duration h: 5d - %: 74

Test: COD: 1.640.000 mg/l O₂

12.3. Bioaccumulative potential

ethanol; ethyl alcohol - CAS: 64-17-5

Not bioaccumulative - Test: BCF - Bioconcentration factor 3 - Notes: (HSDB, 2015)

12.4. Mobility in soil

ethanol; ethyl alcohol - CAS: 64-17-5

Test: K_{oc} 2.75 - Notes: It is not persistent in the environment. Released into the environment, it is mainly distributed in air and water.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12.7. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number or ID number

ADR-UN Number: 1950

IATA-UN Number: 1950

IMDG-UN Number: 1950



Martellato

- 14.2. UN proper shipping name
ADR-Shipping Name: AEROSOLS, flammable
IATA-Shipping Name: AEROSOLS, flammable
IMDG-Shipping Name: AEROSOLS, flammable
- 14.3. Transport hazard class(es)
ADR-Class: 2
ADR - Hazard identification number: -
IATA-Class: 2
IATA-Label: 2.1
IMDG-Class: 2
- 14.4. Packing group
ADR-Packing Group: -
IATA-Packing group: -
IMDG-Packing group: -
- 14.5. Environmental hazards
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
IMDG-EmS: F-D , S-U
- 14.6. Special precautions for user
ADR-Subsidiary hazards: See SP63
ADR-S.P.: 190 327 344 625
ADR-Transport category (Tunnel restriction code): 2 (D)
IATA-Passenger Aircraft: 203
IATA-Subsidiary hazards: See SP63
IATA-Cargo Aircraft: 203
IATA-S.P.: A145 A167 A802
IATA-ERG: 10L
IMDG-Subsidiary hazards: See SP63
IMDG-Stowage and handling: SW1 SW22
IMDG-Segregation: SG69
- 14.7. Maritime transport in bulk according to IMO instruments
Not applicable

SECTION 15: Regulatory information

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

This document has been prepared in accordance with the laws listed below only for physical hazards, according to the exemption of food stuff from the Reg. (EC) n. 1272/2008 (CLP) Art. 1(5)(e) and Reg. (EC) n. 1907/2006 (REACH) Art. 2(6). Food are within the scope of food laws.

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Dir. 2004/42/EC (VOC directive)



Martellato

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
Product belongs to category: P3b

15.2. Chemical safety assessment
Not applicable (food stuff).

SECTION 16: Other information

Full text of phrases referred to in Section 3:
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H280 Contains gas under pressure; may explode if heated.

Hazard class and hazard category	Code	Description
Aerosols 1	2.3/1	Aerosol, Category 1
Press Gas (Liq.)	2.5/L	Gases under pressure (Liquefied gas)
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 1, H222, H229	Aerosols CLP criteria (Annex I, 2.3.2.2.)

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECHA website: <https://echa.europa.eu/home>

IFA GESTIS website: <https://limitvalue.ifa.dguv.de>

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.



Martellato

TWA:

Time-weighted average

WGK:

German Water Hazard Class.