

Safety Data Sheet  
DILUENTE 693



Safety Data Sheet dated 24/1/2023, Edition 2 - version 4  
Regulation (EU) n. 2020/878

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

1.1. Product identifier

Identification of the mixture:

Trade name: DILUENTE 693  
Trade code: 693.000

1.2. Relevant identified uses of the substance or mixture and uses advised against  
Thinner.

1.3. Details of the supplier of the safety data sheet

Company:

BOERO BARTOLOMEO S.p.A. - Via Macaggi 19 - 16121 Genova - Tel. +39 010 55001 - Fax +39 010 5500305 - CF/P. IVA/REG. IMPRESE DI GENOVA 00267120103

Competent person responsible for the safety data sheet:

sicurezzaprodotti@boero.it

1.4. Emergency telephone number

BOERO BARTOLOMEO S.p.A. - Tel.+39 010 55001  
opening hours: Monday - Tuesday 9.00 am - 5.00 pm

UK: in an emergency the enquirer should call NHS 111/24/Direct (free-to-call medical helplines) or a doctor.

MALTA: tel. 112

**SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Flam. Liq. 2, H225 Highly flammable liquid and vapour.

Acute Tox. 4, H332 Harmful if inhaled.

Skin Irrit. 2, H315 Causes skin irritation.

Eye Dam. 1, H318 Causes serious eye damage.

STOT SE 3, H335 May cause respiratory irritation.

STOT SE 3, H336 May cause drowsiness or dizziness.

STOT RE 2, H373 May cause damage to organs through prolonged or repeated exposure.

Aquatic Chronic 3, H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H332 Harmful if inhaled.

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H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.  
P310 Immediately call a POISON CENTER/doctor.  
P370+P378 In case of fire use CO<sub>2</sub> or chemical powder. Never use water.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
P501 Dispose of contents/container according to local regulations.

### Special Provisions:

PACK2 The packing must have tactile indications of danger for blind people.

### Contains

2-methylpropan-1-ol; iso-butanol  
xylene [4]  
2-methoxy-1-methylethyl acetate  
propan-2-ol; isopropyl alcohol; isopropanol

### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects:

The main adverse physical-chemical effects for human health and the environment are listed in accordance with Sections 9 to 12 of the safety data sheet

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other Hazards:

No other hazards

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.

### 3.2. Mixtures

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

$\geq 34\%$  -  $< 50\%$  2-methylpropan-1-ol; iso-butanol

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REACH No.: 01-2119484609-23-XXXX, Index number: 603-108-00-1, CAS: 78-83-1, EC: 201-148-0

Flam. Liq. 3 H226 Flammable liquid and vapour.

STOT SE 3 H335 May cause respiratory irritation.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

STOT SE 3 H336 May cause drowsiness or dizziness.

>= 34% - < 50% xylene [4]

REACH No.: 01-2119488216-32-XXXX, CAS: 1330-20-7, EC: 215-535-7

Flam. Liq. 3 H226 Flammable liquid and vapour.

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H335 May cause respiratory irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

>= 7% - < 10% 2-methoxy-1-methylethyl acetate

REACH No.: 01-2119475791-29-XXXX, Index number: 607-195-00-7, CAS: 108-65-6, EC: 203-603-9

Flam. Liq. 3 H226 Flammable liquid and vapour.

STOT SE 3 H336 May cause drowsiness or dizziness.

>= 5% - < 7% propan-2-ol; isopropyl alcohol; isopropanol

REACH No.: 01-2119457558-25-XXXX, Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

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

In case of Ingestion:

Do NOT induce vomiting.

Give nothing to eat or drink.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

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

Causes skin irritation.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

In case of fire use CO<sub>2</sub> or chemical powder. Never use water.

Extinguishing media which must not be used for safety reasons:

Do not use water jets

None in particular.

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

Avoid inhaling the fumes.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .

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.

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

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## SECTION 6: Accidental release measures

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

For non emergency personnel:

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

### 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

See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Adequately ventilated premises.

Use localized ventilation system.

Advice on general occupational hygiene:

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Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

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

Always keep the containers tightly closed.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Adequately ventilated premises.

### 7.3. Specific end use(s)

See section 1.2

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

ACGIH - TWA(8h): 50 ppm - Notes: Skin and eye irr

VLE1 - TWA: 154 mg/m<sup>3</sup>, 50 ppm

VLE - STEL: 231 mg/m<sup>3</sup>, 75 ppm

xylene [4] - CAS: 1330-20-7

EU - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

AGS - TWA(8h): 221 mg/m<sup>3</sup> - STEL((15 min)): 442 mg/m<sup>3</sup> - Notes: (Anm. H: Ämnet kan lätt upptas genom huden)

ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - URT and eye irr; hematologic eff; CNS impair

AGS - TWA(8h): 221 mg/m<sup>3</sup> - STEL((15 min)): 442 mg/m<sup>3</sup> - Notes: (Anm. H: Ämnet kan lätt upptas genom huden)

VLE1 - TWA(8h): 211 mg/m<sup>3</sup>, 50 ppm

VLE - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

EU - TWA(8h): 275 mg/m<sup>3</sup>, 50 ppm - STEL: 550 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

HR - TWA(8h): 275 mg/m<sup>3</sup>, 50 ppm

HRKGVI - STEL: 550 mg/m<sup>3</sup>, 100 ppm

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair

VLE1 - TWA: 999 mg/m<sup>3</sup>, 400 ppm

VLE - STEL: 1250 mg/m<sup>3</sup>, 500 ppm

### DNEL Exposure Limit Values

xylene [4] - CAS: 1330-20-7

Worker Industry: 289 mg/m<sup>3</sup> - Consumer: 174 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 289 mg/m<sup>3</sup> - Consumer: 174 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 180 mg/kg - Consumer: 108 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 77 mg/m<sup>3</sup> - Consumer: 14.8 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

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Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects  
2-methoxy-1-methylethyl acetate - CAS: 108-65-6  
Worker Industry: 153.5 mg/kg - Worker Professional: 153.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Industry: 275 mg/kg - Worker Professional: 275 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Consumer: 54.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Consumer: 33 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Consumer: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

### PNEC Exposure Limit Values

xylene [4] - CAS: 1330-20-7  
Target: Fresh Water - Value: 0.327 mg/L  
Target: Marine water - Value: 0.327 mg/L  
Target: Freshwater sediments - Value: 12.46 mg/kg  
Target: Marine water sediments - Value: 12.46 mg/kg  
Target: Microorganisms in sewage treatments - Value: 6.58 mg/L  
2-methoxy-1-methylethyl acetate - CAS: 108-65-6  
Target: Fresh Water - Value: 0.635 mg/L  
Target: Marine water - Value: 0.0635 mg/L  
Target: Microorganisms in sewage treatments - Value: 100 mg/L  
Target: Freshwater sediments - Value: 3.29 mg/kg  
Target: Marine water sediments - Value: 0.329 mg/kg

### Biological Exposure Index

xylene [4] - CAS: 1330-20-7  
Value: 1.50 mg/L - medium: Blood - Sampling Period: End of turn  
Value: 1.50 gg creatinina - medium: Blood - Sampling Period: End of turn  
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0  
Value: 50 mg/L - medium: Blood - Biological Indicator: Acetone in urine - Sampling Period: End of turn  
Value: 50 mg/L - medium: Urine - Biological Indicator: Acetone in urine - Sampling Period: End of turn

### 8.2. Exposure controls

#### Eye protection:

Use goggles/face mask certified UNI EN 166.  
Use close fitting safety goggles, don't use eye lens.

#### Protection for skin:

Suitable protective clothing is required for complete skin protection: for example coveralls with long sleeves and trousers, rubber boots and apron, etc., according to UNI EN 14325.

#### Protection for hands:

Use protective gloves: waterproof rubber gloves certified UNI EN 374. Nitrile gloves provide good protection. Use care in selecting a penetration time of the gloves longer than the foreseen usage time.

#### Respiratory protection:

Use adequate protective respiratory equipment: a carbon filter mask with filters certified UNI EN 149 or dust masks certified UNI EN 140. Filters of types A and P types may be considered.  
Use respiratory protection where ventilation is insufficient or exposure is prolonged.

#### Thermal Hazards:

None

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Environmental exposure controls:

See sections 6 and 13

Appropriate engineering controls:

None

### SECTION 9: Physical and chemical properties

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

Properties	Value	Method:	Notes
Physical state:	liquid	--	--
Colour:	colourless	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	bp>35 °C	--	--
Flammability:	Flam. Liq. 2, H225	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	20 °C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	> 20,5 mm <sup>2</sup> /sec (40 °C)	--	--
Viscosity (23°C±0.5°C)	min 1- max 2		--
Spindle:		--	--
Speed (rpm):		--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--

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Density and/or relative density:	0.8430	UNI EN ISO 2431 (ex DIN 53211 s)	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

### 9.2. Other information

No other relevant information

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

### 10.6. Hazardous decomposition products

None.

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## SECTION 11: Toxicological information

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

Toxicological information of the product:

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#### a) acute toxicity

The product is classified: Acute Tox. 4 H332

ATEmix - Inhalation (Mist) 3,75 mg/l

#### b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

#### c) serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

#### 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

#### f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

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- g) reproductive toxicity  
Not classified  
Based on available data, the classification criteria are not met
- h) STOT-single exposure  
The product is classified: STOT SE 3 H335; STOT SE 3 H336
- i) STOT-repeated exposure  
The product is classified: STOT RE 2 H373
- 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:

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

- a) acute toxicity:
  - Test: LD50 - Route: oral - Species: rat > 2830 mg/kg
  - Test: LD50 - Route: dermal - Species: rabbit > 2000 mg/kg
  - Test: LC50 - Route: inhalation - Species: rat = 24.6 mg/l - Duration: 4h

- b) skin corrosion/irritation:
  - Test: Skin Irritant - Species: rabbit

- c) serious eye damage/irritation:
  - Test: Eye Corrosive - Species: rabbit

xylene [4] - CAS: 1330-20-7

- a) acute toxicity:
  - Test: LD50 - Route: oral - Species: rat > 3523 mg/kg
  - Test: LD50 - Route: dermal - Species: rabbit > 2000 mg/kg
  - Test: LC50 - Route: inhalation - Species: rat > 27.571 mg/l - Duration: 4h

- b) skin corrosion/irritation:
  - Test: Skin Irritant Positive

- c) serious eye damage/irritation:
  - Test: Eye Irritant Positive

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

- a) acute toxicity:
  - Test: LD50 - Route: oral - Species: rat > 5000 mg/kg
  - Test: LC50 - Route: inhalation - Species: rat > 10.6 mg/kg
  - Test: LD50 - Route: dermal - Species: rat > 2000 mg/kg

- b) skin corrosion/irritation:
  - Test: Skin Corrosive - Species: rabbit Negative

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

- a) acute toxicity:
  - Test: LD50 - Route: oral - Species: rat = 5840 mg/kg
  - Test: LC50 - Route: inhalation - Species: rat > 10000 Ppm - Duration: 18207.6h
  - Test: LD50 - Route: dermal - Species: rabbit = 16.4 ml/kg

- b) skin corrosion/irritation:
  - Test: Skin Corrosive - Route: dermal - Species: rabbit Negative - Notes: OECD 404

- c) serious eye damage/irritation:
  - Test: Eye Corrosive - Species: rabbit Positive - Notes: OECD 405

### 11.2. Information on other hazards

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Endocrine disrupting properties:

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

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### SECTION 12: Ecological information

#### 12.1. Toxicity

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

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The product is classified: Aquatic Chronic 3 - H412

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1430 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 1100 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 1799 mg/l - Duration h: 72

xylene [4] - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.6 ml/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 2.2 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 1.3 mg/l - Notes: 56 d

Endpoint: NOEC - Species: Daphnia = 0.74 mg/l - Notes: 7 d

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 400 mg/l - Duration h: 48

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 9640 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 10000 mg/l - Duration h: 24

Endpoint: EC50 - Species: Algae = 1800 mg/l - Duration h: 168

#### 12.2. Persistence and degradability

There is no data available on the preparation itself.

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

Biodegradability: Readily biodegradable - %: 90 - Notes: 14 d

xylene [4] - CAS: 1330-20-7

Biodegradability: Readily biodegradable - Notes: solubilità in acqua=146 mg/l

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Biodegradability: Readily biodegradable - %: 70 - Notes: 10 d

#### 12.3. Bioaccumulative potential

There is no data available on the preparation itself.

xylene [4] - CAS: 1330-20-7

Test: Kow - Partition coefficient 3.2 - Notes: mg/l

Test: BCF - Bioconcentration factor 25.9 - Notes: mg/l

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Test: Kow - Partition coefficient 0.05 - Notes: mg/l

#### 12.4. Mobility in soil

There is no data available on the preparation itself.

xylene [4] - CAS: 1330-20-7

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Test: Koc 2.73 - Notes: mg/l

### 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

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force. Directives 91/156/CEE, 91/689/CEE, 94/62/CE.

EWC CODE 080111

Do not empty into drains, ground or waterways. Dispose of product residues and related containers at a collection point for hazardous or special waste or, where appropriate, through an authorized waste disposal company.

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## SECTION 14: Transport information



### 14.1. UN number or ID number

ADR-UN Number:	1263
IATA-UN Number:	1263
IMDG-UN Number:	1263

### 14.2. UN proper shipping name

ADR-Shipping Name:	PAINT RELATED MATERIAL
IATA-Shipping Name:	PAINT RELATED MATERIAL
IMDG-Shipping Name:	PAINT RELATED MATERIAL

### 14.3. Transport hazard class(es)

ADR-Class:	3
UN no.:	UN 1263
ADR - Hazard identification number:	33
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3
Erg-code:	3L

### 14.4. Packing group

ADR-Packing Group:	II
IATA-Packing group:	II
IMDG-Packing group:	II

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### 14.5. Environmental hazards

ADR-Environmental Pollutant:	No
IMDG-Marine pollutant:	No
IMDG-EmS:	F-E, S-E

### 14.6. Special precautions for user

ADR-Subsidiary hazards:	-
ADR-S.P.:	163 367 640C 650
ADR-Transport category (Tunnel restriction code):	2 (D/E)
ADR-Limited Quantities:	5 L
ADR-Excepted Quantities:	E2
IATA-Passenger Aircraft:	353
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	364
IATA-S.P.:	A3 A72 A192
IATA-ERG:	3L
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category B
IMDG-Segregation:	-

### 14.7. Maritime transport in bulk according to IMO instruments

N.A.

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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Regulation (EU) n. 2020/878

Dir. 89/391/CEE and subsequent amendments (Risks related to chemical agents at work and Occupational exposure limit values). Directive 1999/13/EC and subsequent amendments (limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations). Regulation (CE) n. 1907/2006, Regulation (CE) 830/2015 and subsequent amendments (concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals - REACH). Regulation (CE) n.1272/2008 and subsequent amendments (on classification, labeling and packaging of substances and mixtures - CLP).

International Maritime Dangerous Goods Code, IATA Dangerous Goods Regulation, International Carriage of Dangerous Goods by Road (ADR).

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 30

Restriction 75

Restriction 3 is not applicable because the mixture does not fall within the restrictions mentioned in Annex XVII of EC Regulation No. 1907/2006.

Restriction 40 is not applicable because the mixture does not fall within the restrictions mentioned in Annex XVII of EC Regulation No. 1907/2006.

Restriction 75 is not applicable because the mixture does not fall within the restrictions mentioned

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in Annex XVII of EC Regulation No. 1907/2006.

Where applicable, refer to the following regulatory provisions :

Directive 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products. Regulation UE No 649/2012 concerning the export and import of dangerous chemicals. Regulation UE n. 528/2012 concerning the making available on the market and use of biocidal products.

Directive 2012/18/EU (Seveso III)

Regulation (EC) No. 648/2004 (detergents).

Directive 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products.

Regulation (EC) No 689/2006 concerning the export and import of dangerous chemicals.

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

Product belongs to category: P5c

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

## SECTION 16: Other information

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

# Safety Data Sheet

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This safety data sheet has been completely updated in compliance to Regulation 2020/878.  
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

<b>Classification according to Regulation (EC) Nr. 1272/2008</b>	<b>Classification procedure</b>
Flam. Liq. 2, H225	On basis of test data
Acute Tox. 4, H332	Calculation method
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
STOT SE 3, H335	Calculation method
STOT SE 3, H336	Calculation method
STOT RE 2, H373	Calculation method
Aquatic Chronic 3, H412	Calculation method

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

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

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

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	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.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.