



Safety Data Sheet dated 26/1/2023, Edition 2 - version 2
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: ALTURA UV
Trade code: 643.000

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

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. 3, H226 Flammable liquid and vapour.

STOT SE 3, H336 May cause drowsiness or dizziness.

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

EUH066 Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

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.

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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.

P370+P378 In case of fire use CO₂ 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:

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH208 Contains Hydroxyphenyl-benzotriazole derivatives - EC number 400-830-7. May produce an allergic reaction.

EUH208 Contains phthalic anhydride. May produce an allergic reaction.

EUH208 Contains Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

Contains

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

hydrocarbons, C9, aromatics

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

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:

$\geq 34\%$ - $< 50\%$ hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

REACH No.: 01-2119463258-33-XXXX, EC: 919-857-5

Flam. Liq. 3 H226 Flammable liquid and vapour.

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

STOT SE 3 H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

DECLP (CLP)*

$\geq 5\%$ - $< 7\%$ hydrocarbons, C9, aromatics

REACH No.: 01-2119455851-35-XXXX, EC: 918-668-5

Flam. Liq. 3 H226 Flammable liquid and vapour.

STOT SE 3 H335 May cause respiratory irritation.

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Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
STOT SE 3 H336 May cause drowsiness or dizziness.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
DECLP (CLP)*

>= 1% - < 2.5% 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.

>= 0.5% - < 1% Hydroxyphenyl-benzotriazole derivatives - EC number 400-830-7

REACH No.: 01-0000015075-76-xxxx, Index number: 607-176-00-3, CAS: 104810-48-2, EC: 400-830-7
Skin Sens. 1,1A,1B H317 May cause an allergic skin reaction.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

>= 0.25% - < 0.5% ethylbenzene

REACH No.: 01-2119489370-35-XXXX, CAS: 100-41-4, EC: 202-849-4
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
Acute Tox. 4 H332 Harmful if inhaled.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

>= 0.25% - < 0.5% toluene

REACH No.: 01-2119471310-51-XXXX, CAS: 108-88-3, EC: 203-625-9
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Repr. 2 H361 Suspected of damaging fertility or the unborn child.
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.
Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

>= 0.25% - < 0.5% phthalic anhydride

Index number: 607-009-00-4, CAS: 85-44-9, EC: 201-607-5
STOT SE 3 H335 May cause respiratory irritation.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Acute Tox. 4 H302 Harmful if swallowed.

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>= 0.1% - < 0.25% Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

REACH No.: 01-2119491304-40-XXXX, CAS: 111-20-6, EC: 915-687-0

Skin Sens. 1,1A,1B H317 May cause an allergic skin reaction.

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

>= 0.1% - < 0.25% fatty acids, C8-C12, zirconium salts

CAS: 22464-99-9, EC: 245-018-1

Repr. 2 H361d Suspected of damaging the unborn child.

*DECLP (CLP): Substance classified in accordance with Note P, Annex VI of EC Regulation (EC) 1272/2008. The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply.

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:

Remove casualty to fresh air and keep warm and at rest.

If breathing is irregular or stopped, administer artificial respiration.

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

May cause drowsiness or dizziness.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire use CO₂ 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

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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.

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.

Remove persons to safety.

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

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.

Advice on general occupational hygiene:

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.

Incompatible materials:

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

ACGIH - TWA: 1200 mg/m³, 197 ppm

hydrocarbons, C9, aromatics

EU - STEL: 100 mg/m³, 20 ppm

AGS - TWA(8h): 250-350 mg/m³

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

EU - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: Skin

AGS - TWA(8h): 221 mg/m³ - STEL((15 min)): 442 mg/m³ - 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/m³ - STEL((15 min)): 442 mg/m³ - Notes: (Anm. H: Ämnet kan lätt upptas genom huden)

VLE1 - TWA(8h): 211 mg/m³, 50 ppm

VLE - STEL: 442 mg/m³, 100 ppm - Notes: Skin

ethylbenzene - CAS: 100-41-4

EU - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: OTO; A3, BEI - URT & eye irr; ototoxicity; kidney eff; CNS impair

toluene - CAS: 108-88-3

EU - TWA(8h): 192 mg/m³, 50 ppm - STEL: 384 mg/m³, 100 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: OTO; A4; BEI - CNS, visual & hearing impair; female repro system eff; pregnancy loss

HR - TWA(8h): 192 mg/m³, 50 ppm

HRKGVI - STEL: 384 mg/m³, 150 ppm - Notes: Skin

phthalic anhydride - CAS: 85-44-9

ACGIH - TWA(8h): 0.002 mg/m³ - STEL: 0.005 mg/m³ - Notes: (IFV), Skin, DSEN, RSEN, A4 - Resp sens, asthma

DNEL Exposure Limit Values

hydrocarbons, C9, aromatics

Worker Industry: 25 mg/kg - Consumer: 11 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 150 mg/m³ - Consumer: 32 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 11 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

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

Worker Industry: 289 mg/m³ - Consumer: 174 mg/m³ - Exposure: Human Inhalation -

Frequency: Short Term, systemic effects

Worker Industry: 289 mg/m³ - Consumer: 174 mg/m³ - 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/m³ - Consumer: 14.8 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

toluene - CAS: 108-88-3

Worker Industry: 384 mg/m³ - Consumer: 226 mg/m³ - Exposure: Human Inhalation -

Frequency: Short Term, local effects

Worker Industry: 384 mg/m³ - Consumer: 226 mg/m³ - Exposure: Human Inhalation -

Frequency: Short Term, systemic effects

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Worker Industry: 192 mg/m³ - Consumer: 56.5 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, local effects

Worker Industry: 192 mg/m³ - Consumer: 56.5 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects

Worker Industry: 384 mg/kg - Consumer: 226 mg/kg - Exposure: Human Dermal -
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

toluene - CAS: 108-88-3

Target: Fresh Water - Value: 0.68 mg/L

Target: Freshwater sediments - Value: 16.39 mg/L

Target: Soil (agricultural) - Value: 2.89 mg/kg

Target: Microorganisms in sewage treatments - Value: 13.61 mg/L

Target: Marine water sediments - Value: 16.39 mg/L

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

toluene - CAS: 108-88-3

Value: 1.0 mg/L - medium: Blood - Sampling Period: End of turn

Value: 20 ppm - Sampling Period: ECCESSIVO ESAURIMENT

Value: 2.50 gg creatinina - Biological Indicator: 77 - Sampling Period: End of turn

Value: 1.0 mgg creatinina - Biological Indicator: o-Cresol in urine

8.2. Exposure controls

Eye protection:

Use goggles/ facemask certified UNI EN 166.

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.

Thermal Hazards:

None

Environmental exposure controls:

See sections 6 and 13

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	liquid	--	--
Colour:	transparent	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	bp>35 °C	--	--
Flammability:	Flam. Liq. 3, H226	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	30 °C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	> 20,5 mm ² /sec (40 °C)	--	--
Viscosity (23°C±0.5°C)	min 100- max 120	SPECIFIC WEIGHT BY MEANS OF PIGNOMETER (gr / cm ³).	--
Spindle:	0	--	--
Speed (rpm):	0	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	0.9037	UNI EN ISO 2431 (ex DIN	--

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		53211 s)	
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

No other relevant information

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.

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

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

Not classified

Based on available data, the classification criteria are not met

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 H336
- 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:

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

a) acute toxicity:

Test: LC50 - Route: inhalation - Species: rat > 5000 mg/m³ - Duration: 4h - Source: OCSE 403

Test: LD50 - Route: oral - Species: rat > 5000 mg/kg - Source: OCSE 401

Test: LD50 - Route: oral - Species: rat > 5000 mg/kg - Source: OCSE 402

hydrocarbons, C9, aromatics

a) acute toxicity:

Test: LD50 - Route: oral - Species: rat > 3492 mg/kg

Test: LD50 - Route: dermal - Species: rat > 3160 mg/kg

Test: LC50 - Route: inhalation - Species: rat > 6193 mg/m³ - Duration: 4h

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

toluene - CAS: 108-88-3

a) acute toxicity:

Test: LD50 - Route: oral - Species: rat = 5580 mg/kg - Source: 24 h

Test: LD50 - Route: dermal - Species: rabbit > 5000 mg/kg

Test: LC50 - Route: inhalation - Species: rat = 28.1 mg/l - Duration: 4h

g) reproductive toxicity:

Test: Reproductive Toxicity - Species: rat 2000 Ppm - Source: OCSE 453

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

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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

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

a) Aquatic acute toxicity:

Endpoint: NOEC - Species: Fish = 100 mg/l - Duration h: 72 - Notes: OECD TG 201

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96

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

Endpoint: EC50 - Species: Daphnia = 1000 mg/l - Duration h: 48

hydrocarbons, C9, aromatics

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 9.2 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 3.2 mg/l - Duration h: 48

Endpoint: NOEC - Species: Algae = 1 mg/l - Duration h: 72

Endpoint: EC50 - Species: Algae = 2.9 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

toluene - CAS: 108-88-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 5.5 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 3.78 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 134 mg/l - Duration h: 3

12.2. Persistence and degradability

There is no data available on the preparation itself.

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Biodegradability: Readily biodegradable - %: 80 - Notes: 28 d

hydrocarbons, C9, aromatics

Biodegradability: Readily biodegradable - %: 78 - Notes: 28 d

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

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

toluene - CAS: 108-88-3

Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential

There is no data available on the preparation itself.

hydrocarbons, C9, aromatics

Test: Kow - Partition coefficient 1.2

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

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

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

12.4. Mobility in soil

There is no data available on the preparation itself.

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

Test: Koc 2.73 - Notes: mg/l

12.5. Results of PBT and vPvB assessment

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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. 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.

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
IATA-Shipping Name:	PAINT
IMDG-Shipping Name:	PAINT

14.3. Transport hazard class(es)

ADR-Class:	3
UN no.:	UN 1263
ADR - Hazard identification number:	30
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3
Erg-code:	3L

Packagings < 450 L not regulated according to 2.2.3.1.5 ADR.

Packagings < 30 L not regulated according to 2.3.2.5 IMDG.

14.4. Packing group

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

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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.: 163 367 650
ADR-Transport category (Tunnel restriction code): 3 (D/E)
ADR-Limited Quantities: 5 L
ADR-Excepted Quantities: E1
IATA-Passenger Aircraft: 355
IATA-Subsidiary hazards: -
IATA-Cargo Aircraft: 366
IATA-S.P.: A3 A72 A192
IATA-ERG: 3L
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: -

14.7. Maritime transport in bulk according to IMO instruments

N.A.

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 48

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
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), 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
Resp. Sens. 1	3.4.1/1	Respiratory Sensitisation, Category 1
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
Repr. 2	3.7/2	Reproductive toxicity, Category 2

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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 Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

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]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
STOT SE 3, H336	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.

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