Bartoline - TX10 Paint & Varnish Stripper

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 19/06/2023 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : Bartoline - TX10 Paint & Varnish Stripper
UFI : DH00-C0TV-Q00D-1SNF

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Paint and varnish remover

1.2.2. Uses advised against

Restrictions on use : No additional information available

1.3. Details of the supplier of the safety data sheet

EU Supplier
Bartoline Ireland Limited
Unit 3D North Point House
North Point Business Park
New Mallow Road
Cork T23 AT2P
Ireland
+353212066441
info@bartoline.eu

1.4. Emergency telephone number

Emergency number : +44(0)1482 678710
8.30am - 4.45pm Monday to Friday (BST during DST, otherwise GMT)
NHS 111 - General Public (24 Hour service)

Country	Organisation/Company	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (inhalation), Category 4	H332
Serious eye damage/eye irritation, Category 2	H319

Full text of H- and EUH-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) :

GHS07

Signal word (CLP) : Warning

Contains : Benzyl Alcohol

Hazard statements (CLP) : H319 - Causes serious eye irritation.
H332- Harmful if inhaled.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective clothing, eye protection, face protection, protective gloves.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTRE or doctor if you feel unwell

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzyl Alcohol	CAS-No.: 100-51-6 EC-No.: 202-859-9 Index-No.: 603-057-00-5 EU REACH Registration-No. : 01-2119492630-38-XXXX	25 – 50%	Acute Tox. 4 (Oral). H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
Formic Acid Substance with a UK & EU Community Workplace Exposure Limit (WEL)	CAS-No.: 64-18-6 EC-No.: 200-579-1 EC Index-No.: 607-001-00-0 EU REACH Registration-No. : 01-2119491174-37--XXXX	<0.1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral). H302 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1A, H314 Eye Dam. 1, H318 EUH071

Full text of H- and EUH-statements: see section 16

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits**
Formic Acid	CAS-No.: 64-18-6 EC-No.: 200-579-1 EC Index-No.: 607-001-00-0 EU REACH Registration-No. : 01-2119491174-37--XXXX	(90 ≤ C ≤ 100) Skin Corr. 1A, H314 (10 ≤ C < 90) Skin Corr. 1B, H314 (2 ≤ C < 10) Eye Irrit. 2, H319 (2 ≤ C < 10) Skin Irrit. 2, H315

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell. If breathing is difficult, trained personnel should give oxygen.

First-aid measures after inhalation : Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if symptoms occur.

First-aid measures after skin contact : Wash immediately with plenty of soap and water. Get medical attention if irritation persists after washing. Take off contaminated clothing.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms are severe or persist after washing.

First-aid measures after ingestion : Rinse mouth out with water. Drink plenty of water. In all cases of doubt, or when symptoms persist, seek medical attention.

Self Protection of the first aider : Wear recommended personal protective equipment (For further information refer to section 8: "Exposure controls/personal protection") if contact/exposure with the product is likely

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

Symptoms/effects : The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Symptoms/effects after inhalation : Harmful if inhaled. May cause shortness of breath, tightness of the chest, a sore throat and cough.

Symptoms/effects after skin contact : Repeated or prolonged skin contact may cause irritation.

Symptoms/effects after eye contact : Causes serious eye irritation. Pain.

Symptoms/effects after ingestion : May cause irritation to the digestive tract. Abdominal pain and nausea.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, Dry powder. Foam Carbon dioxide. Use extinguishing agent suitable for surrounding fire.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or Vapours such as Sulphurous gases (SOx) or Oxides of the following substances - Carbon. *i.e.* toxic gases can be released.

5.3. Advice for firefighters

Precautionary measures fire : Avoid breathing vapours from fire.

Firefighting instructions : For containers exposed to flames, cool laterally with water, even after the fire is extinguished.

Protection during firefighting	:	Wear fire/flame resistant/retardant clothing. In confined space use self-contained breathing apparatus. Full face piece respirator. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incident.
Other information	:	Keep run-off water out of sewers and water sources. Containers close to fire should be removed or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area.

6.1.1. For non-emergency personnel

Protective equipment	:	Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection.
Emergency procedures	:	Keep unnecessary and unprotected personnel away from the spillage. Stop leak if safe to do so. Do not touch or walk on the spilled product.Wash thoroughly after dealing with a spillage. Avoid breathing vapour or mist - Provide adequate ventilation.

6.1.2. For emergency responders

Protective equipment	:	Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection.

6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains or the environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

For containment	:	Turn leaking containers leak-side up to prevent the escape of liquid.
Methods for cleaning up	:	Stop leak if safe to do so. Absorb excess liquid spillage on inorganic adsorbent material such as fine sand, brick dust etc. Place spent adsorbent in sealed packages and contact specialist waste disposal contractor. Cover the spilled liquid product with foam to slow down evaporation.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information on personal protection refer to section 8: "Exposure controls/personal protection". For further information on Disposal Consderations refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Avoid contact with skin and eyes. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing mist or vapours. Do not handle this product together with Strong bases/alkalis, strong oxidising agents, strong acids due to incompatibility. Avoid product spilling and keep away from drains.
Hygiene measures	:	Do not eat, drink or smoke when using this product. After contact with skin, wash immediately and thoroughly with water and soap. Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated clothing and protective equipment before entering eating areas. Do not dry hands with rags that have been contaminated with product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Keep locked up and out of reach of children. Avoid storage near strong oxidants, strong alkalis and strong acids. Avoid high temperatures.
Storage Area	:	Store in a well-ventilated place

Special Rules On Packaging : Keep only in original container

Incompatible Products : Stong acids, strong alkalis and strong oxidants.

7.3. Specific end use(s)

Paint and varnish remover (See Section 1.2).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Formic Acid (64-18-6)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL 8 h TWA	5 ppm, 9 mg/m³	(Commission Directive 2006/15/EC)
Republic of Ireland – Occupational Exposure Limit (OEL)		
OEL 8 h TWA	5 ppm, 9 mg/m³	(Chemical Agents and Carcinogens Code of Practice 2021)
United Kingdom - Occupational Exposure Limits (OEL)		
OEL 8 h TWA	5 ppm, 9.6 mg/m³	(EH40/2005 – 4th Edition 2020)

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Benzyl Alcohol (100-51-6)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	22 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects, dermal	4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	5.4 mg/m³
Long-term - systemic effects,oral	4 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	1 mg/l
PNEC aqua (marine water)	0.1 mg/l
PNEC aqua (intermittent, freshwater)	2.3 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	5.27 mg/kg dwt
PNEC sediment (marine water)	0.527 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.456 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	39 mg/l

Formic Acid (64-18-6)	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	9.5 mg/m³
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	3 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	2 mg/l
PNEC aqua (marine water)	0.2 mg/l
PNEC aqua (intermittent, freshwater)	1 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	13.4 mg/kg dwt
PNEC sediment (marine water)	1.34 mg/kg dwt
PNEC (Soil)	
PNEC soil	1.5 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	7.2 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Ensure adequate ventilation, especially in confined areas

8.2.2. Personal protection equipment

Personal protective equipment:
Do not attempt to take action without suitable protective equipment. Appropriate engineering controls.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Chemical goggles or safety glasses

Eye protection			
Type	**Field of application**	**Characteristics**	**Standard**
Use splash goggles when eye contact due to splashing is possible	Droplet	With side-shields	EN 166

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Wear gloves according to EN374 resistant to the solvent(s) in use.
Protective gloves. Nitrile-rubber protective gloves (Glove thickness > 0.6 mm, Breakl through time > 480 min)

Other skin protection

Materials for protective clothing:
Wear suitable protective clothing such as apron, boots, etc, .

8.2.2.3. Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Wear respiratory protection.

8.2.2.4. Thermal hazards

Thermal hazard protection:
Not applicable.

8.2.3. Environmental exposure controls

Environmental exposure controls:
Assure that emissions are compliant with all applicable air pollution control regulations. Do not exceed the occupational exposure limits (OEL). Keep container closed when not in use.

Other information:
Always wash hands after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Off-white.
Appearance	:	Off-white liquid
Odour	:	Barely perceptible.
Odour threshold	:	Not available.
Melting point/Freezing Point	:	Not available.
Initial boiling point and range	:	Not available.
Flammability	:	Not applicable
Lower explosion limit	:	Not available.
Upper explosion limit	:	Not available.
Flash point	:	> 93 °C
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available
pH	:	4 – 4.5
pH solution	:	Not available.
Viscosity, kinematic	:	Not available.
Viscosity, dynamic	:	Not available.
Solubility	:	Not available.
Partition coefficient n-octanol/water (Log Kow)	:	Not available.
Vapour pressure	:	Not available.
Vapour pressure at 50 °C	:	Not available.
Density	:	Not available.
Relative density	:	1.02
Relative vapour density at 20 °C	:	Not applicable
Particle Characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No information available

9.2.2. Other safety characteristics

VOC content	:	≤ 436 g/L
Evaporation Rate	:	Not available

SECTION 10: Stability and reactivity

10.1. Reactivity

This product may react with strong alkalis/bases and strong oxidising agents.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

This product may react with strong alkalis/bases and strong oxidising agents.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see Section 7).

10.5. Incompatible materials

Strong bases/alkalis, strong oxidising agents, strong acids

10.6. Hazardous decomposition products

Does not decompose when used for intended uses. Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Based on available data, the classification criteria are not met
Acute toxicity (dermal) : Based on available data, the classification criteria are not met
Acute toxicity (inhalation) : Harmful if inhaled

Bartoline - TX10 Paint & Varnish Stripper		
$ATE_{MIXTURE}$ Oral	> 2000	(Calculated)
$ATE_{MIXTURE}$ Inhalation (mist)	4.2 (used a cATpE for benzyl alcohol in calculation)	(Calculated)

Benzyl Alcohol (100-51-6)	
LD50 oral	1610 mg/kg bodyweight Animal: rat, Guideline: Commission Directive 84/449/EEC, Reference: Loeser, E.: Bayer AG data, short report, (3. 11. 1978) –Cited in OECD SIDS Benzoates (CAS No.: 65-85-0, 532-32-1, 582-25-2, 100-51-6), UNEP Publications, 2004, https://hpvchemicals.oecd.org/UI/handler.axd?id=fab24d3a-687d-4e90-9447-48a3217b3e71
LD50 oral	1580 mg/kg bodyweight Animal: mouse, Guideline: Not Stated, Reference: Jenner, P. M. et al. Fd. Cosmet. Toxicol. 2: 327-343 (1964) & Opdyke, D. L. J.: Monograph on Fragrance Raw Materials. Fd. Cosmet. Toxicol. 11: 1011-1013 (1973) –Cited in OECD SIDS Benzoates (CAS No.: 65-85-0, 532-32-1, 582-25-2, 100-51-6), UNEP Publications, 2004, https://hpvchemicals.oecd.org/UI/handler.axd?id=fab24d3a-687d-4e90-9447-48a3217b3e71
LD50 dermal	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: Not Stated, Reference: NPIRI: Raw Mater. Data Handb. Vol. 1: 6 (1974) –Cited in OECD SIDS Benzoates (CAS No.: 65-85-0, 532-32-1, 582-25-2, 100-51-6), UNEP Publications, 2004, https://hpvchemicals.oecd.org/UI/handler.axd?id=fab24d3a-687d-4e90-9447-48a3217b3e71
LC50 inhalation (mist)	No measured LC50 is recorded. However from Part 3 of Annex VI of CLP, benzyl alcohol is hamrful if inhaled and is classified as Acute Tox. 4 (Inhalation), H332.

Formic Acid (64-18-6)	
LD50 oral	730 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal (Read Across from Sodium Formate, CAS; 141-53-7)	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation (vapour)	7.4 mg/l, Duration of exposure: 4h, Animal: rat, Guideline: Comparable to OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation : Based on available data, the classification criteria are not met
pH: 4 – 4.5

Formic Acid (64-18-6)	
pH	< 2.5

Serious eye damage/irritation : Causes serious eye irritation.
pH: 4 – 4.5

Benzyl Alcohol (100-51-6)
Causes serious eye irritation Concluded to be moderately irritating based on mean scores and signs of no irreversible reactions, Animal: Rabbit, Guideline: OECD Guideline 405 (Acute Eye Irritation / Corrosion), Reference: Bayer AG data, Report No. 19232, (6. 7. 1990) - Cited in OECD SIDS Benzoates (CAS No.: 65-85-0, 532-32-1, 582-25-2, 100-51-6), UNEP Publications, 2004, https://hpvchemicals.oecd.org/UI/handler.axd?id=fab24d3a-687d-4e90-9447-48a3217b3e71

Formic Acid (64-18-6)	
pH	< 2.5

Respiratory or skin sensitisation : Based on available data, the classification criteria are not met
Germ cell mutagenicity : Based on available data, the classification criteria are not met
Carcinogenicity : Based on available data, the classification criteria are not met
Reproductive toxicity : Based on available data, the classification criteria are not met
STOT-single exposure : Based on available data, the classification criteria are not met
STOT-repeated exposure : Based on available data, the classification criteria are not met
Aspiration hazard : Based on available data, the classification criteria are not met

11.2. Information on other hazards

11.2.1 Endocrine Disrupting Properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

11.2.2 Other Information
No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.
Hazardous to the aquatic environment, short–term (acute) : Based on available data, the classification criteria are not met
Hazardous to the aquatic environment, long–term (chronic) : Based on available data, the classification criteria are not met

Benzyl Alcohol (100-51-6)	
LC50 96 h - Fish	460 mg/l Test organisms (species): Pimephales promelas, Guideline: EPA OPP 72-1 (Fish Acute Toxicity Test)

Benzyl Alcohol (100-51-6)	
EC50 48 h - Crustacea	230 mg/l Test organisms (species): Daphnia magna, Guideline: OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
EC50 72 h - Algae	770 mg/l Test organisms (species): Raphidocelis subcapitata, Guideline: OECD Guideline 201 (Alga, Growth Inhibition Test)
NOEC 72 h - Algae	310 mg/l Test organisms (species): Raphidocelis subcapitata), Guideline: OECD Guideline 201 (Alga, Growth Inhibition Test)
NOEC 21 d - Crustacea	51 mg/l Test organisms (species): Daphnia magna, Guideline: OECD Guideline 211 (Daphnia magna Reproduction Test)

Formic Acid (64-18-6)	
LC50 96 h - Fish (Read Across from Ammonium Formate, CAS; 540-69-2)	130 mg/l Test organisms (species): Danio rerio, Guideline: OECD Guideline 203 (Fish, Acute Toxicity Test)
EC50 48 h - Crustacea (Read Across from Ammonium Formate, CAS; 540-69-2)	365 mg/l Test organisms (species): Daphnia magna, Guideline: OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
EC50 72 h - Algae (Read Across from Ammonium Formate, CAS; 540-69-2)	1240 mg/l Test organisms (species): Raphidocelis subcapitata, Guideline: OECD Guideline 201 (Alga, Growth Inhibition Test)
NOEC 21 d - Daphnia magna	≥ 100 mg/l Test organisms (species): Daphnia magna, Guideline: OECD Guideline 211 (Daphnia magna Reproduction Test)

12.2. Persistence and degradability

No additional information available on mixture.

Benzyl Alcohol (100-51-6)	
Guideline: OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))	92-96% degradation (O2 consumption) at day 14 Conclusion; substance is readily biodegradable
Guideline: OECD Guideline 301 A (Ready Biodegradability: DOC Die Away Test)	95% degradation (DOC Removal) at day 21 Conclusion; substance is readily biodegradable

Formic Acid (64-18-6)	
Guideline: EU Method C.4-B (Determination of the "Ready" Biodegradability - Modified OECD Screening Test	99% degradation (DOC Removal) at day 11 Conclusion; substance is readily biodegradable
Guideline: OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))	100% degradation (O2 consumption) at day 14 Conclusion; substance is readily biodegradable

12.3. Bioaccumulative potential

No additional information available on mixture

Benzyl Alcohol (100-51-6)
The logPow of benzyl alcohol is 1.1 and bioaccumulation estimates using BCFBAF v.3.00 (regression-based method) resulted in a BCF of 1.37 L/kg wet weight. Hence, benzyl alcohol is considered to have no potential for bioaccumulation in aquatic organisms.

Formic Acid (64-18-6)
The logPow of formic acid < 3, hence considered to have low potential for bioaccumulation in aquatic organisms.

12.4. Mobility in soil

Bartoline - TX10 Paint & Varnish Stripper
Readily absorbed into the soil.

12.5. Results of PBT and vPvB assessment

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

12.6. Endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

12.7. Other adverse effects

No other adverse effects are known as of yet for this mixture or any substances contained in this mixture.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

This product is classified as Hazardous Waste as it is supplied.
Waste generation should be avoided or minimised where possible. When handling waste, the safety precautions applying to handling of the product should be considered. Label the containers containing waste and remove from the area as soon as possible. Label the containers containing waste contaminated material and remove from the area as soon as possible.
Product disposal to sewer should be avoided, if possible, and only be carried out after treatment, and under relevant rules, e.g. Consent to Discharge. Where wastes undergo disposal, external recovery or treatment, it must comply with the requirements of environmental protection, waste disposal legislation and any local authority requirements. If wastes undergo incineration, they must be suitable for it at an approved facility.
Used packaging waste should be reused or recycled, if uncontaminated. Contaminated packaging should be cleaned on site, if appropriate facilities exist, including any relevant rules or permits, or offsite by a specialist provider. Contaminated packaging which cannot be safely cleaned must be treated in the same way as the product, and should only be disposed of as a last resort.

List of waste code is 08 01 21* - waste paint or varnish remover. These codes have been assigned based on the actual composition of the product as supplied. Seek advice from a hazardous waste specialist for waste classification.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

Rail transport
Not applicable

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion Substances list (Annex I and II of Regulation EU 2024/590 and their isomers)

VOC Directive (2004/42)

VOC content : ≤ 436 g/L

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out for this mixture.

SECTION 16: Other information

Indication of changes:
Due to change of classification database the revision numbering has been reset. You should therefore look at the revision date rather than the revision number to ensure you have the most up to date version.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute Toxicity, Category 4 (Oral)

Full text of H- and EUH-statements:	
Acute Tox. 3 (Inhalation)	Acute Toxicity, Category 3 (Inhalation)
Acute Tox. 4 (Inhalation)	Acute Toxicity, Category 4 (Inhalation)
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq . 3,	Flammable Liquid, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
EUH071	Corrosive to the respiratory tract
H302	Harmful if Swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H319	Causes serious eye irritation.
H226	Flammable liquid and vapour.

Abbreviations and acronyms:	
a.i.	Active Ingredient
a.s.	Active Substance
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
bw	Bodyweight
ATP	Adaptation to Technical Progress
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
cATpE	Converted Acute Toxicity Point Estimate
CLP	The Classification, Labelling and Packaging
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer

Abbreviations and acronyms:	
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
M	M Factor
mg	Milligrams
NI	Northern Ireland
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
ROI	Republic of Ireland
SCL	Specific Classification Limit
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.:	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Key literature references and sources for data

- ECHA (European Chemicals Agency). http://echa.europa.eu/, - REACH disseminated dossiers of substance included in Section 3
- Supplier's Safety documents
- Loeser, E.: Bayer AG data, short report, (3. 11. 1978) –Cited in OECD SIDS Benzoates (CAS No.: 65-85-0, 532-32-1, 582-25-2, 100-51-6), UNEP Publications, 2004, https://hpvchemicals.oecd.org/UI/handler.axd?id=fab24d3a-687d-4e90-9447-48a3217b3e71
- Jenner, P. M. et al. Fd. Cosmet. Toxicol. 2: 327-343 (1964) & Opdyke, D. L. J.: Monograph on Fragrance Raw Materials. Fd. Cosmet. Toxicol. 11: 1011-1013 (1973) –Cited in OECD SIDS Benzoates (CAS No.: 65-85-0, 532-32-1, 582-25-2, 100-51-6), UNEP Publications, 2004, https://hpvchemicals.oecd.org/UI/handler.axd?id=fab24d3a-687d-4e90-9447-48a3217b3e71
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- Bayer AG data, Report No. 19799, (12. 12. 1990) - Cited in OECD SIDS Benzoates (CAS No.: 65-85-0, 532-32-1, 582-25-2, 100-51-6), UNEP Publications, 2004, https://hpvchemicals.oecd.org/UI/handler.axd?id=fab24d3a-687d-4e90-9447-48a3217b3e71

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
Acute Tox. 4 (Inhalation), H332	Calculation method
Eye Irrit. 2, H319	Calculation method

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.