

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council, as amended by Commission Regulation (EU) 2015/830

ADDIPURE 2in1 Cleaner Disinfectant (150 ml/300 ml/500 ml)

Date created: 01.02.2023
Date revised: 00.00.0000

Version no 1.0

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

- 1.1 Product identifier:** **ADDIPURE 2in1 Cleaner Disinfectant (organic)**
CAS number Mixture, not available
EC number (EINECS) Mixture, not available
REACH registration number Mixture, not available
Other mixture names not available
- 1.2 Intended use:** Alcohol-based, all-purpose cleaning agent and disinfectant for the food industry. Organic.
Uses advised against: Other non-specified uses
- 1.3 Details of the supplier:** ADDITEQ s.r.o.
Address: V přístavu 1585/12, Prague Marina, 170 00 Prague 7, Czech Republic
Company number: 24825026
Telephone: +420 774 453 004
Email: info@additeq.com
Website: www.additeq.com
Competent person responsible for the safety data sheet
Full name Roger Jakob Martin Hutter
Email hutter@additeq.com
- 1.4 Emergency telephone number**
National Poisoning Information Centre, Beaumont Hospital, PO Box 1297, Beaumont Road, Dublin 9, tel.: healthcare professionals: +353 (01) 809 2566 (24-hour service), members of the public: +353 (01) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week).

2. SECTION 2: Hazards identification

2.1 Classification of the mixture in accordance with Regulation (EC) No 1272/2008

Flammable liquid, Hazard Category 2 (Flam. Liq. 2), H225.
Serious eye irritation, Hazard Category 2 (Eye Irrit. 2), H319.

Most important adverse physical and chemical effects

Causes serious eye irritation.

2.2 Label elements /hazard pictograms

Product identifier ADDIPURE 2in1 Cleaner Disinfectant.
GHS symbols GHS02, GHS07.



Signal words Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P305+351+338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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ADDIPURE 2in1 Cleaner Disinfectant (150 ml/300 ml/500 ml)

Date created: 01.02.2023
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Version no 1.0

P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container as special waste.

2.3 Other hazards

Highly flammable liquid and vapour. The mixture does not contain any substances included in Annex XIV of REACH (SVHC).

3. SECTION 3: Composition/information on ingredients

3.1 Product composition

A mixture of ethanol, isopropyl alcohol, butanone and water

3.2 The product contains the following hazardous substances:

EC number CAS number Registration number pursuant to Regulation (EC) No 1907/2006	Chemical name of the substance	Concentration [% w/w]	CLP* classification	Hazard statements
200-578-6 64-17-5 01-2119457610-43-xxxx	Ethanol	50-75	Flammable liquid, hazard category 2 (Flam. Liq. 2) Serious eye irritation, hazard category 2 (Eye Irrit. 2)	H225 H319
200-661-7 67-63-0 01-2119457558-25-0005	Propan-2-ol (isopropyl alcohol)	<3	Flammable liquid, hazard category 2 (Flam. Liq. 2) Serious eye irritation, hazard category 2 (Eye Irrit. 2) Specific target organ toxicity – single exposure, category 3 (STOT SE 3)	H225 H319 H336
203-473-3 107-21-1 603-027-00-1	Ethane-1,2-diol	<1	Acute toxicity, category 4 (Acute Tox. 4)	H302

*) CLP = Regulation (EC) No 1272/2008 of the European Parliament and of the Council

***) The full wording of the hazard statements can be found under section 16.

4. SECTION 4: First aid measures

4.1 Description of first aid measures

Take precautions to ensure your own safety. If health problems develop or if in doubt, inform a doctor and show him/her information such as packaging, labelling or this safety data sheet. In the event of unconsciousness or seizure, put the person in the recovery position (lying on his/her side with his/her head tilted slightly back) and make sure that his/her airways are free; never induce vomiting. If the person vomits, turn his/her head to the side to prevent choking. In the event of unconsciousness or seizure, do not administer anything orally. If breathing has stopped, perform mouth-to-mouth resuscitation.

Following inhalation

Move the affected person to the fresh air and keep him/her comfortable and calm. Ensure medical treatment if irritation, breathlessness or other symptoms persist. If breathing has stopped, perform mouth-to-mouth resuscitation and seek medical attention.

Following skin contact

Wash the affected area with soap and copious amounts of water. Seek medical attention.

Following eye contact

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council, as amended by Commission Regulation (EU) 2015/830

ADDIPURE 2in1 Cleaner Disinfectant (150 ml/300 ml/500 ml)

Date created: 01.02.2023
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Version no 1.0

Rinse eyes immediately with running water, with the eyelids open (forced open if necessary). Remove contact lenses immediately if worn by the affected person. Rinse the affected eye for 10–30 minutes, from the inner to the outer corner, to ensure that the rinsate does not wash into the other eye. If irritation persists, consult a doctor. Arrange for medical treatment, if possible with an ophthalmologist.

Following ingestion

DO NOT INDUCE VOMITING. Never administer anything orally to someone who is unconscious. Rinse out mouth with clean water and give the affected person ½ pint to 1 pint of water to drink. Arrange for medical treatment if the affected person has health problems. Show the doctor information such as packaging, labelling or this safety data sheet.

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

Causes serious eye irritation. May cause respiratory paralysis, dermatitis, dizziness, narcosis, poisoning, euphoria, nausea, vomiting. For other effects see section 11.

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

Symptomatic treatment.

5. Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adapt extinguishing media to the environment. Water mist, powder, alcohol resistant foam or CO₂ fire extinguishers.

Unsuitable extinguishing media

Water – full jet.

5.2 Special hazards arising from the substance or mixture

The thermal decomposition products (NO_x, CO, CO₂, soot) and aerosols containing the components of the mixture may cause severe health damage if inhaled. When heated the product releases highly flammable vapours, which may form an explosive mixture with air.

5.3 Advice for firefighters

Evacuate area. Use a self-contained breathing apparatus and wear a full-body protection suit. Sealed containers of the product near a fire should be cooled with water. Do not allow contaminated rinsate to enter drains, surface water or ground water. Fire-damaged items and contaminated rinsate must be removed and disposed of.

6. SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Take precautions against fire and explosion, remove ignition sources and ensure adequate ventilation of the area. Wear personal protective equipment (see section 8). Do not allow access to people not wearing personal protective equipment.

6.2 Environmental precautions

Prevent the product from finding its way into the ground, the surface and groundwater and the drains.

6.3 Methods and material for containment and cleaning up

Pump or scoop spilled product into clean containers for recovery and present for disposal as specified in section 13. Using copious amounts of water, flush the residue into a drain flowing into a wastewater treatment plant, or cover with a suitable sorbent (universal sorbent, place the used sorbent in a labelled, resealable plastic container and dispose of in accordance with section 13. Clean contaminated objects with water. Notify the fire brigade or other bodies responsible for cleaning up contaminated land.

6.4 Reference to other sections

See sections 1, 8 and 13.

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ADDIPURE 2in1 Cleaner Disinfectant (150 ml/300 ml/500 ml)

Date created: 01.02.2023
Date revised: 00.00.0000

Version no 1.0

7. SECTION 7: Handling and storage

7.1 Precautions for safe handling

Read the instructions on the product packaging before use. Comply with the general guidelines for the safe handling of chemicals and occupational health and safety regulations. Do not breathe vapours/spray. Only use in a well-ventilated area. Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Do not spray on an open flame or other ignition source. Take action to prevent static discharges. To avoid risks to human health and the environment, comply with the instructions for use.

7.2 Conditions for safe storage, including any incompatibilities

Only store in tightly sealed containers in cool, dry, well-ventilated areas designated for storage. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep out of reach of children. Keep away from heat sources and direct sunlight. Do not store with oxidising agents. Keep away from food, drink and animal feed.

7.3 Specific and use(s)

ADDIPURE 2in1 Cleaner Disinfectant is an alcohol-based, all-purpose, organic cleaning agent and disinfectant for the food industry. The product is particularly well suited as a cleaning agent and disinfectant for work areas and surfaces in all sectors of the food industry.

8. SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ethanol (CAS 64-17-5)

Permissible exposure limit (PEL): 1,000 mg/m³

Derived no-effect levels (DNELs)

Worker – prolonged or repeated exposure – dermal: 343 mg/kg bw/day

Worker – prolonged or repeated exposure – inhaled: 950 mg/m³

Consumer – prolonged or repeated exposure – dermal: 206 mg/kg bw/day

Consumer – prolonged or repeated exposure – inhaled: 950 mg/m³

Consumer – prolonged or repeated exposure – oral: 87 mg/kg bw/day

Predicted no-effect concentrations (PNECs)

Fresh water: 0.96 mg/L

Sea water: 0.79 mg/L

Freshwater sediment: 3.6 mg/kg

Seawater sediment: 2.9 mg/kg

Soil: 0.63 mg/kg

Wastewater treatment plant: 199.5 mg/L

Ethane-1,2-diol (107-21-1)

Permissible exposure limit (PEL): 50 mg/m³

Threshold limit value (TLV): 100 mg/m³

Derived no-effect levels (DNELs)

Worker – prolonged or repeated exposure – dermal: 35 mg/kg bw/day

Worker – prolonged or repeated exposure – inhaled: 106 mg/m³

Consumer – prolonged or repeated exposure – dermal: 7 mg/kg bw/day

Consumer – prolonged or repeated exposure – inhaled: 53 mg/m³

Predicted no-effect concentrations (PNECs)

Fresh water: 10.0 mg/l

Sea water: 1.0 mg/l

Freshwater sediment: 20.9 mg/kg

Soil: 1.53 mg/kg

Wastewater treatment plant: 199.5 mg/l

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ADDIPURE 2in1 Cleaner Disinfectant (150 ml/300 ml/500 ml)

Date created: 01.02.2023
Date revised: 00.00.0000

Version no 1.0

Propan-2-ol (CAS 67-63-0)

Permissible exposure limit (PEL): 500 mg/m³
Threshold limit value (TLV): 3,000 mg/m¹

Derived no-effect levels (DNELs)

Worker – prolonged or repeated exposure – dermal: 888 mg/kg bw/day
Worker – prolonged or repeated exposure – inhaled: 500 mg/m³
Consumer – prolonged or repeated exposure – dermal: 319 mg/kg bw/day
Consumer – prolonged or repeated exposure – inhaled: 89 mg/m³
Consumer – prolonged or repeated exposure – oral: 26 mg/kg bw/day

Predicted no-effect concentrations (PNECs)

Fresh water: 140.9 mg/l
Sea water: 140.9 mg/l
Freshwater sediment: 552.0 mg/kg
You and: 552.0 mg/kg
Soil: 28.0 mg/kg

8.2 Exposure controls

Comply with occupational health and safety regulations and take care to ensure good ventilation in particular. Do not eat, drink or smoke during use. Wash your hands thoroughly with soap and water after work and before meal and rest breaks.

Eye/face protection

Not required under normal conditions. Protective glasses. EN166 – Personal Eye Protection European Standard.

Skin protection

Not required under normal conditions. Use protective gloves (nitrile, chloroprene, polyvinyl chloride, butyl rubber) in the event of prolonged or repeated contact. EN ISO 374-1. Wash contaminated skin thoroughly after handling. Other protection: protective workwear.

Respiratory protection

Not required under normal conditions. Ensure good ventilation of the workplace. Use a mask with a type A filter against organic vapours in a poorly ventilated environment.

Environmental exposure controls

Comply with standard environmental protection measures. See section 6.2 for details. Prevent the product from accidentally finding its way into the soil, surface water, groundwater or drainage systems.

9. SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state (at 20°C)	Liquid
Colour	Colourless
Odour	Alcohol-like odour
pH (at 20°C)	6.5–7.2
Melting point (°C)	Not specified
Initial boiling point and boiling range (°C)	78 (ethanol)
Flash point (°C)	<23
Flammability	Highly flammable liquid and vapour
Auto-ignition temperature	Not specified
Auto-ignition temperature	Not specified
Explosive properties	Ethanol vapour forms an explosive mixture with air.
Upper explosive limit (% by volume in air)	19
Lower explosive limit (% by volume in air)	3.3
Oxidising properties	Not specified
Vapour pressure (at 20°C)	Not specified
Density (at 20°C)	0.885–0.895 g/cm ³

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ADDIPURE 2in1 Cleaner Disinfectant (150 ml/300 ml/500 ml)

Date created: 01.02.2023
Date revised: 00.00.0000

Version no 1.0

Solubility (at 20°C)	
In water	Fully soluble
In fats (including oil specification)	Not specified
Partition coefficient: n-octanol/water	Not specified
Viscosity	Not specified

9.2 Other information

Oxidising properties	The product does not have oxidising properties.
Explosive properties	The product is not explosive but may form an explosive mixture with air.

10. SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions with other substances known under normal conditions of use. Vapours of the product may form an explosive mixture with air.

10.2 Chemical stability

The product is stable under normal conditions, provided that the recommended instructions for storage, handling and use are complied with.

10.3 Possibility of hazardous reactions

The product is stable under normal conditions. The product vapours may form an explosive mixture with air. There is a risk of combustion or build-up of flammable and explosive gases or vapours because of a reaction with chromium oxide, hydrogen peroxide, nitric acid, sulphuric acid, potassium permanganate, perchlorates, halogens, oxidising agents, alkaline metals and alkaline earth metals.

10.4 Conditions to avoid

Do not expose to temperatures above 30°C. Protect against flames, sparks, overheating and frost. Keep away from heat sources and direct sunlight.

10.5 Incompatible materials

Oxidising agents, rubber, certain plastics.

10.6 Hazardous decomposition products

Hazardous decomposition products do not develop if used normally. See section 5 for thermal decomposition products of combustion.

11. SECTION 11: Toxicological information

11.1 Information on hazard classes, as defined under Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met. The product has not been tested for acute toxicity.

Toxicological effects of the components

<u>Ethanol (CAS 64-17-5)</u>	
LD ₅₀ , oral, rat (mg/kg)	15,800
LD ₅₀ , dermal, rat (mg/kg)	15,800
LC ₅₀ , inhaled, rat (mg/kg)	30,000

Subchronic/chronic toxicity

Toxicity following repeated oral administration in rats
NOAEL: 1,730 mg/kg bw/day
Target organs: Gastrointestinal tract, liver.

Propan-2-ol (CAS 67-63-0)

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ADDIPURE 2in1 Cleaner Disinfectant (150 ml/300 ml/500 ml)

Date created: 01.02.2023
Date revised: 00.00.0000

Version no 1.0

LD₅₀, oral, rat (mg/kg) 5,840
LD₅₀, dermal, rabbit (mg/kg) 13,900
LC₅₀, inhaled, rat (mg/m³) > 25,000

Skin corrosion/irritation

The product is not classified as corrosive or irritating to the skin.

Serious eye damage/irritation

The mixture causes serious eye irritation.

Respiratory or skin sensitisation

The mixture is not classified as sensitising and does not contain any substances classified as sensitising.

Germ cell mutagenicity

Does not contain any substances classified as mutagenic.

Carcinogenicity

Does not contain any substances classified as carcinogenic.

Reproductive toxicity

Does not contain any substances classified as toxic to reproduction.

STOT–single exposure

The mixture is not classified as target organ toxic, but does contain substances classified as such.

STOT–repeated exposure

Does not contain any substances classified as toxic to target organs.

Aspiration hazard

Does not contain any substances classified as toxic by inhalation.

11.2 Information on other hazards

Not specified

12. SECTION 12: Ecological information

12.1 Toxicity

Based on available data, the classification criteria are not met. The product has not been tested for toxicity.

Toxicity of ingredients

Propan-2-ol (CAS 67-63-0)

LC₅₀, 48 hrs, fish (*Leuciscus idus melanotus*) (mg/l) > 100
EC₅₀, 48 hrs, *Daphnia magna* (mg/l) > 100
EC₅₀, 72 hrs, algae (*Scenedesmus subspicatus*) (mg/l) > 100

Ethanol (CAS 64-17-5)

LC₅₀, freshwater fish (mg/l) 1,200
EC₅₀/LC₅₀, freshwater invertebrates (mg/l) 5,012
EC₅₀/LC₅₀, marine invertebrates (mg/l) 857

Chronic toxicity

EC₁₀/LC₁₀, or NOEC for freshwater invertebrates (mg/l) 9.6
EC₁₀/LC₁₀, or NOEC for marine invertebrates (mg/l) 79
EC₅₀/LC₅₀, freshwater algae (mg/l) 275
EC₅₀/LC₅₀, marine algae (mg/l) 1,970
EC₅₀/LC₅₀, or NOEC for freshwater algae (mg/l) 115
EC₅₀/LC₅₀, or NOEC for marine algae (mg/l) 1,580
EC₅₀/LC₅₀, freshwater plants (mg/l) 4,432

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council, as amended by Commission Regulation (EU) 2015/830

ADDIPURE 2in1 Cleaner Disinfectant (150 ml/300 ml/500 ml)

Date created: 01.02.2023
Date revised: 00.00.0000

Version no 1.0

EC₅₀/LC₅₀, or NOEC for freshwater plants (mg/l) 280
EC₅₀/LC₅₀, aquatic micro-organisms (mg/l) 5,800

12.2 Persistence and degradability

Ethanol and propan-2-ol are easily biodegradable.

12.3 Bioaccumulative potential

Ethanol: logKow <4.5. The substance does not have bioaccumulative potential.

12.4 Mobility in soil

The product is water soluble and can permeate soil and rock with water.

12.5 Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances, as specified under Annex XIII to the REACH Regulation.

12.6 Endocrine-disrupting properties

The product does not have endocrine-disrupting properties relevant for non-target organisms, because it does not meet the criteria set out in section B of the Annex to Commission Delegated Regulation (EC) No 2017/2100.

12.7 Other adverse effects

The product is an aquatic environmental hazard. Avoid inadvertent release of the product into the groundwater, surface water or drains.

13. SECTION 13: Disposal considerations

13.1 Waste treatment methods

Danger of environmental contamination. Proceed in accordance with the local and/or national regulations. Proceed in accordance with applicable waste disposal regulations.

Product disposal

Place unused product and contaminated packaging in designated waste collection containers and present them for disposal to an authorised waste disposal contractor (specialist company) licensed to dispose of hazardous waste. Do not empty unused product into the drainage system. The product must not be disposed of with municipal waste.

Proposed EWC code and description: 07 07 04 Other organic solvents, washing liquids and mother liquors (N)

Packaging disposal

The empty plastic containers should be thoroughly rinsed and disposed of at a municipal collection point or with an authorised waste disposal contractor. The containers and closures are made of recyclable material.

Proposed EWC code and description: 15 01 02 Plastic packaging (O)

Disposal of containers and residue

Containers with product residues should be taken to a hazardous waste collection point or an authorised waste disposal contractor (specialist company) licensed to dispose of hazardous waste. The waste can be disposed of in a hazardous waste incineration plant.

Proposed EWC code and description: 15 01 10 Packaging containing residues of or contaminated by hazardous substances (N)

13.2 Other information: Waste must be handled in accordance with Waste and on Amendments to Certain Acts and its implementing regulations. Protective equipment as specified in section 8 must be used when handling waste.

14. SECTION 14: Transport information

14.1 Information on transport classification according to the ADR

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council, as amended by Commission Regulation (EU) 2015/830

ADDIPURE 2in1 Cleaner Disinfectant (150 ml/300 ml/500 ml)

Date created: 01.02.2023
Date revised: 00.00.0000

Version no 1.0

UN number	1170
UN proper shipping name	ALCOHOLS, (ETHA-NOL), N.O.S.
Transport hazard class	3 Flammable liquids
Packing group	2
ID	33
Safety signs	3
Classification code	F1
Packing instructions	P001, IBC02, R001
Mixed packing provisions	MP19

14.2 Other data

Not specified

15. SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council
Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council
Commission Regulation (EU) 2015/830 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council
Regulation (EC) No 1272/2008 of the European Parliament and of the Council
Commission Regulation (EC) No 790/2009 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council
Commission Regulation (EU) 286/2011 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council
Commission Regulation (EU) No 618/2012 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council
Commission Regulation (EU) No 487/2013 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council
Commission Regulation (EU) 758/2013 correcting Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents, as amended

15.2 Chemical safety assessment

A chemical safety assessment has not been performed for the substance.

16. SECTION 16: Other information

16.1 List of standard risk phrases used in the safety data sheet

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.

16.2 Key to abbreviations and acronyms used in the safety data sheet

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS Chemical Abstracts Service
CLP Regulation on Classification, Labelling and Packaging [Regulation (EC) No 1272/2008 of the European Parliament and of the Council]
DNEL Derived no-effect level.
EC₅₀ Half maximal effective concentration, which induces a response halfway between the baseline and maximum after a specified exposure time.
EC European Community

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council, as amended by Commission Regulation (EU) 2015/830

ADDIPURE 2in1 Cleaner Disinfectant (150 ml/300 ml/500 ml)

Date created: 01.02.2023
Date revised: 00.00.0000

Version no 1.0

LC ₅₀	Concentration of the substance lethal to 50% of the test animals within the selected timeframe.
LD ₅₀	Dose of a substance that is lethal to 50% of the experimental animals exposed to it.
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
TLV	Threshold limit value
PEL	Permissible exposure limit (8-hr time-weighted average)
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted no-effect concentration
REACH	Regulation (EC) No 1907/2006 of the European Parliament and of the Council.
SVHC	Substances of very high concern
vPvB	Very persistent and very bioaccumulative

16.3 Recommendations

Read the safety data sheet and the instructions on the product packaging carefully before use.

16.4 Updates to the safety data sheet

Not specified

16.5 Source of the data used to compile the safety data sheet

Product formulation. Safety data sheets for the components of the mixture. Regulation (EC) No 1272/2008 of the European Parliament and of the Council. <http://echa.europa.eu/cs/information-on-chemicals>.

Statement

This safety data sheet has been compiled in accordance with Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council, as amended by Commission Regulation (EU) No 2015/830, based on classification of the mixture in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council. The safety data sheet contains the information required to ensure occupational health and safety and environmental protection. The information corresponds to the current status of knowledge and experience and complies with the applicable legal regulations. The information should not be understood as a guarantee of the product's suitability and usability for a specific application. The product must only be used for purposes intended by the manufacturer. The manufacturer cannot be held liable for cases in which the product is used improperly.
