

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

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

### 1.1 Product identifier

**Product identifier** : WT 343  
**Product name** : Permahyd® Hi-TEC Mixing Colour 480 WT 343 Blue  
**Product type** : Liquid.  
**Other means of identification** : 4025331467182; 4025331482246; 4025331490012  
**Date of issue/ Date of revision** : 28 May 2024  
**Version** : 4.02  
**Date of previous issue** : 23 May 2024

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

**Identified uses** : Coating component.  
**Uses advised against** : Not for sale to or use by consumers.

### 1.3 Details of the supplier of the safety data sheet

Axalta Coating Systems Germany GmbH & Co. KG  
Christbusch 25  
DE 42285 Wuppertal  
+49 (0)202 529-0  
**e-mail address of person responsible for this SDS** : sds-competence@axalta.com

### 1.4 Emergency telephone number

#### Supplier

**Telephone number** : +(44)-870-8200418  
**Hours of operation** :

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture  
**Classification according to UK CLP/GHS**  
Aquatic Chronic 2, H411

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

**Ingredients of unknown toxicity** : 2.4 percent of the mixture consists of component(s) of unknown acute oral toxicity  
2.4 percent of the mixture consists of component(s) of unknown acute dermal toxicity  
2.4 percent of the mixture consists of component(s) of unknown acute inhalation toxicity

**Ingredients of unknown ecotoxicity** : Contains 2.4% of components with unknown hazards to the aquatic environment

See Section 16 for the full text of the H statements declared above.

## SECTION 2: Hazards identification

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

Hazard pictograms :



Signal word : No signal word.

Hazard statements : H411 - Toxic to aquatic life with long lasting effects.

#### Precautionary statements

Prevention : P273 - Avoid release to the environment.

Response : P391 - Collect spillage.

Storage : Not applicable.

Disposal : Not applicable.

Supplemental label elements : EUH208 - Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol and 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

### 2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification : None known.

## SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Type
Poly(oxy-1,2-ethanediyl), $\alpha$ -2-naphthalenyl- $\omega$ -hydroxy-(2-methoxymethylethoxy)propanol	EC: 609-139-7 CAS: 35545-57-4 REACH #: 01-2119450011-60	$\leq 10$	Acute Tox. 4, H302	[1]
	EC: 252-104-2 CAS: 34590-94-8	$\leq 5$	Not classified.	[2]
N-[3-(isodecyloxy)propyl]propane-1,3-diamine	EC: 276-432-0 CAS: 72162-46-0	$< 1$	Acute Tox. 3, H301 Skin Corr. 1, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=10)	[1]
2,4,7,9-tetramethyldec-5-yne-4,7-diol	REACH #: 01-2119954390-39 EC: 204-809-1 CAS: 126-86-3	$\leq 0.2$	Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412	[1]
1,2-benzisothiazol-3(2H)-one	REACH #: 01-2120761540-60 EC: 220-120-9 CAS: 2634-33-5 Index: 613-088-00-6	$< 0.05$	Acute Tox. 4, H302 Acute Tox. 2, H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317	[1]

### SECTION 3: Composition/information on ingredients

			Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411 <b>See Section 16 for the full text of the H statements declared above.</b>
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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a physical, health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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

##### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

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

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.
- Unsuitable extinguishing media** : Do not use water jet.

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

- Hazards from the substance or mixture** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

## SECTION 5: Firefighting measures

**Hazardous combustion products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

**Special protective equipment for fire-fighters** : Appropriate breathing apparatus may be required.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions** : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

### 6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.

Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

Keep away from heat, sparks and flame. No sparking tools should be used.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Put on appropriate personal protective equipment (see Section 8).

Never use pressure to empty. Container is not a pressure vessel.

Always keep in containers made from the same material as the original one.

Comply with the health and safety at work laws.

Do not allow to enter drains or watercourses.

#### Information on fire and explosion protection

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

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

## SECTION 7: Handling and storage

Store in accordance with local regulations.

### Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

### Additional information on storage conditions

Observe label precautions. Store between the following temperatures: 5 to 35°C (41 to 95°F). Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

### Seveso Directive - Reporting thresholds

#### Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
E2	200 tonne	500 tonne

### 7.3 Specific end use(s)

**Recommendations** : Not available.

**Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
(2-methoxymethylethoxy)propanol	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.</b> TWA: 308 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.

#### Biological exposure indices

No exposure indices known.

**Recommended monitoring procedures** : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
(2-methoxymethylethoxy)propanol	DNEL	Long term Dermal	65 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	50.4 ppm	Workers	Systemic
	DNEL	Long term Oral	36 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	37.2 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	121 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	283 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	308 mg/m <sup>3</sup>	Workers	Systemic
2,4,7,9-tetramethyldec-5-yne-4,7-diol	DNEL	Long term Oral	0.29 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.29 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.505 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	0.812 mg/	Workers	Systemic

## SECTION 8: Exposure controls/personal protection

1,2-benzisothiazol-3(2H)-one	DNEL	Long term Inhalation	kg bw/day 2.86 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Inhalation	6.81 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	0.966 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	0.345 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.966 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.2 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	6.81 mg/m <sup>3</sup>	Workers	Systemic

### PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
(2-methoxymethylethoxy)propanol	Marine water	1.9 mg/l	-
	Fresh water	19 mg/l	-
	Fresh water sediment	70.2 mg/l	-
	Secondary Poisoning	190 mg/l	-
	Sewage Treatment Plant	4168 mg/l	-
	Marine water sediment	7.02 mg/kg	-
2,4,7,9-tetramethyldec-5-yne-4,7-diol	Soil	2.74 mg/kg	-
	Fresh water	0.04 mg/l	-
	Marine water sediment	0.004 mg/l	-
	Fresh water sediment	0.32 mg/kg	-
	Marine water sediment	0.032 mg/kg	-
	Soil	0.028 mg/kg	-
1,2-benzisothiazol-3(2H)-one	Sewage Treatment Plant	7 mg/kg	-
	Fresh water	4.03 µg/l	-
	Marine water	0.403 µg/l	-
	Sewage Treatment Plant	1.03 mg/l	-
	Fresh water sediment	49.9 µg/kg dwt	-
	Marine water sediment	4.99 µg/kg dwt	-
	Soil	3 mg/kg	-

### 8.2 Exposure controls

**Appropriate engineering controls** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

#### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Use safety eyewear designed to protect against splash of liquids.

#### Skin protection

##### Hand protection

## SECTION 8: Exposure controls/personal protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

- Gloves** : Duration / breakthrough time: <1 hour,  
Glove material: NBR, nitrile rubber, material thickness as splash protection: at least 0.2 mm, (EN374)  
Glove material: NBR, nitrile rubber Material thickness for short-term contact: at least 0.5 mm, (EN374)  
The recommendation for the type or types of glove to use when handling this product is based on information from the following source:  
Expert judgment  
The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
- Body protection** : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
- Environmental exposure controls** : Do not allow to enter drains or watercourses.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Liquid.
- Colour** : Blue.
- Odour** : Not available.
- Odour threshold** : Not available.
- Melting point/freezing point** : Technically not possible to measure
- Initial boiling point and boiling range** : 100 to 100.1°C (212 to 212.2°F)
- Flammability (solid, gas)** : Not available.
- Upper/lower flammability or explosive limits** : Not available.  
Not available.
- Flash point** : Closed cup: 80°C (176°F) [Product does not sustain combustion.]
- Auto-ignition temperature** : 207°C (404.6°F)
- Decomposition temperature** : Not applicable.
- pH** : 8.2 to 8.8
- Viscosity** : Dynamic: 99 mPa·s  
Kinematic: 92 mm<sup>2</sup>/s
- Solubility in water** : Not available.

**SECTION 9: Physical and chemical properties**

<b>Miscible with water</b>	: Yes.	
<b>Partition coefficient: n-octanol/ water</b>	: Not applicable.	
<b>Vapour pressure</b>	: 1.7 kPa (12.4 mm Hg)	
<b>Relative density</b>	: Not available.	
<b>Density</b>	: 1.072 g/cm <sup>3</sup>	
<b>Vapour density</b>	: Not available.	
<b>Explosive properties</b>	: Not available.	
<b>Oxidising properties</b>	: Not available.	
<b>Weight volatiles</b>	: 73.5 % (w/w)	
<b>VOC content</b>	: 4.9 % (w/w)	(2010/75/EU)

**9.2 Other information****9.2.1 Information with regard to physical hazard classes**

**Flow time (ISO 2431)** : 69 s (room temperature) [Jet diameter: 4 mm]

Further information Not available.

**9.2.2 Other safety characteristics**

**Miscible with water** : Yes.

Further information Not available.

*room temperature (=20°C)*

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : Stable under recommended storage and handling conditions (see Section 7).
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : When exposed to high temperatures may produce hazardous decomposition products.
- 10.5 Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
- 10.6 Hazardous decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.  
Not applicable

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.



**SECTION 11: Toxicological information**

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol, 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Poly(oxy-1,2-ethanediyl), $\alpha$ -2-naphthalenyl- $\omega$ -hydroxy-(2-methoxymethylethoxy)propanol N-[3-(isodecyloxy)propyl]propane-1,3-diamine 1,2-benzisothiazol-3(2H)-one	LD50 Oral	Rat	300 to 2000 mg/kg	-
	LD50 Dermal	Rabbit	9510 mg/kg	-
	LD50 Oral	Rat	300 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	0.21 mg/l	4 hours
	LD50 Oral	Rat	1020 mg/kg	-

**Acute toxicity estimates**

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
mixture	6872.9	N/A	N/A	N/A	N/A
Poly(oxy-1,2-ethanediyl), $\alpha$ -2-naphthalenyl- $\omega$ -hydroxy-(2-methoxymethylethoxy)propanol	500	N/A	N/A	N/A	N/A
N-[3-(isodecyloxy)propyl]propane-1,3-diamine	N/A	9510	N/A	N/A	N/A
2,4,7,9-tetramethyldec-5-yne-4,7-diol	300	N/A	N/A	N/A	N/A
1,2-benzisothiazol-3(2H)-one	2500	2500	N/A	N/A	N/A
	1020	N/A	N/A	N/A	0.21

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
2,4,7,9-tetramethyldec-5-yne-4,7-diol	Eyes - Severe irritant	Rabbit	-	0.1 MI	-
	Eyes - Visible necrosis	Rabbit	-	1 minutes	21 days
1,2-benzisothiazol-3(2H)-one	Skin - Mild irritant	Rabbit	-	0.5 gm	-
	Eyes - Severe irritant	Mammal - species unspecified	-	-	-
	Skin - Mild irritant	Human	-	48 hours 5 %	-

**Sensitisation**

Product/ingredient name	Route of exposure	Species	Result
2,4,7,9-tetramethyldec-5-yne-4,7-diol	skin	Mouse	Sensitising
1,2-benzisothiazol-3(2H)-one	skin	Guinea pig	Sensitising

**Mutagenicity****Carcinogenicity****Reproductive toxicity****Teratogenicity****Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

## SECTION 11: Toxicological information

Not available.

### Aspiration hazard

Not available.

**Information on likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**Conclusion/Summary** : Not available.  
**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Reproductive toxicity** : No known significant effects or critical hazards.

**Other information** : Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
N-[3-(isodecyloxy)propyl] propane-1,3-diamine	Acute EC50 40.9 µg/l	Algae	72 hours
	Acute EC50 0.235 mg/l	Daphnia	48 hours
	Acute NOEC 10 µg/l	Algae	72 hours
	Acute NOEC 0.125 mg/l	Daphnia	48 hours
2,4,7,9-tetramethyldec-5-yne-4,7-diol	Acute EC50 15 mg/l	Algae	72 hours
	Acute EC50 91 mg/l	Daphnia	48 hours
1,2-benzisothiazol-3(2H)-one	Acute LC50 42 mg/l	Fish	96 hours
	Acute NOEC 1.8 mg/l	Algae	72 hours
	Acute EC50 0.11 mg/l	Algae	72 hours

**SECTION 12: Ecological information**

	Acute EC50 97 ppb Fresh water	Daphnia - Water flea - <i>Daphnia magna</i>	48 hours
	Acute LC50 10 to 20 mg/l Fresh water	Crustaceans - Water flea - <i>Ceriodaphnia dubia</i>	48 hours
	Acute LC50 167 ppb Fresh water	Fish - Rainbow trout, donaldson trout - <i>Oncorhynchus mykiss</i>	96 hours
	Chronic NOEC 0.0403 mg/l	Algae	72 hours

**Conclusion/Summary** : Not available.

**12.2 Persistence and degradability**

Product/ingredient name	Test	Result	Dose	Inoculum
Poly(oxy-1,2-ethanediyl), $\alpha$ -2-naphthalenyl- $\omega$ -hydroxy-	OECD 301D Ready Biodegradability - Closed Bottle Test	>60 % - Readily - 28 days	-	-
1,2-benzisothiazol-3(2H)-one	-	70 % - Readily - 28 days	-	-

**Conclusion/Summary** : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Poly(oxy-1,2-ethanediyl), $\alpha$ -2-naphthalenyl- $\omega$ -hydroxy-	-	-	Readily
1,2-benzisothiazol-3(2H)-one	-	-	Readily

**12.3 Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
(2-methoxymethylethoxy) propanol	0.004	-	Low

**12.4 Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

**12.5 Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

**SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**13.1 Waste treatment methods****Product**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

**Packaging**


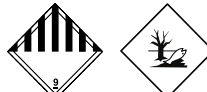
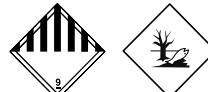
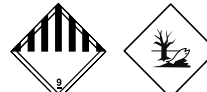
## SECTION 13: Disposal considerations

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	Waste catalogue
	15 01 10* packaging containing residues of or contaminated by hazardous substances

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
<b>14.1 UN number</b>	UN3082	UN3082	UN3082	UN3082
<b>14.2 UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-[3-(isodecyloxy)propyl] propane-1,3-diamine)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-[3-(isodecyloxy)propyl] propane-1,3-diamine)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-[3-(isodecyloxy)propyl] propane-1,3-diamine)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-[3-(isodecyloxy)propyl] propane-1,3-diamine)
<b>14.3 Transport hazard class(es)</b>	9 	9 	9 	9 
<b>14.4 Packing group</b>	III	III	III	III
<b>14.5 Environmental hazards</b>	Yes.	Yes.	Yes.	Yes.

### Additional information

**ADR/RID** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

**Tunnel code** (-)

**ADN** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

**IMDG** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

**IATA** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

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

#### UK (GB)/REACH

##### Annex XIV - List of substances subject to authorisation

###### Annex XIV

None of the components are listed.

###### Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** Not applicable.

#### Seveso Directive

This product is controlled under the Seveso Directive.

#### Danger criteria

##### Category

E2

#### National regulations

Product/ingredient name	List name	Name on list	Classification	Notes

#### International regulations

##### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

##### Montreal Protocol

Not listed.

##### Stockholm Convention on Persistent Organic Pollutants

Not listed.

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

🔍 Indicates information that has changed from previously issued version.

#### **Abbreviations and acronyms**

: ATE = Acute Toxicity Estimate  
 GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = GB CLP-specific Hazard statement  
 N/A = Not available  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 SGG = Segregation Group  
 vPvB = Very Persistent and Very Bioaccumulative

#### Procedure used to derive the classification

Classification	Justification
Aquatic Chronic 2, H411	Calculation method

Permahyd® Hi-TEC Mixing Colour 480 WT 343 Blue

**SECTION 16: Other information****Full text of abbreviated H statements**

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Full text of classifications**

Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Skin Corr. 1	SKIN CORROSION/IRRITATION - Category 1
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1B	SKIN SENSITISATION - Category 1B

**Date of issue/ Date of revision** : 5/28/2024

**Version** : 4.02

**Date of previous issue** : 5/23/2024

**Notice to reader**

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Permahyd® Hi-TEC Mixing Colour 480 WT 343 Blue

## SECTION 16: Other information