

## 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 : MIX574

Product name : Standox BASECOAT OCHRE

Product type : Liquid.

Other means of

: 4024669883985

identification

Date of issue

: 1 November 2023

Version : 1.09

Date of previous issue : 1 November 2023

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

: sds-competence@axalta.com

responsible for this SDS

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

Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H336 Aquatic Chronic 3, H412

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

Ingredients of unknown

toxicity

: 9.5 percent of the mixture consists of component(s) of unknown acute oral toxicity

9.5 percent of the mixture consists of component(s) of unknown acute dermal

toxicity

9.5 percent of the mixture consists of component(s) of unknown acute inhalation

toxicity

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## SECTION 2: Hazards identification

Ingredients of unknown

: Contains 9.5% of components with unknown hazards to the aquatic environment

ecotoxicity

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

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

#### 2.2 Label elements

Hazard pictograms







Signal word : Danger

n-butyl acetate **Contains** 

butan-1-ol

Hydrocarbons, terpene processing by-products Fatty acids, C14-18 and C16-18-unsatd., maleated

Formaldehyde, solution maleic anhydride

: H226 - Flammable liquid and vapour. **Hazard statements** 

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H336 - May cause drowsiness or dizziness.

H412 - Harmful to aquatic life with long lasting effects.

**Precautionary statements** 

Prevention : P280 - Wear protective gloves. Wear eye or face protection.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P261 - Avoid breathing vapour.

P264 - Wash hands thoroughly after handling.

: P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several Response

minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor.

Storage : Not applicable. **Disposal** : Not applicable. Supplemental label : Not applicable.

elements

**Annex XVII - Restrictions** on the manufacture, placing on the market and use of certain dangerous substances, mixtures and

: Not applicable.

articles

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.

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# **SECTION 3: Composition/information on ingredients**

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Туре
n-butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4	≥25 - ≤50	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	[1] [2]
butan-1-ol	REACH #: 01-2119484630-38 EC: 200-751-6 CAS: 71-36-3 Index: 603-004-00-6	≤10	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	[1] [2]
Reaction mass of ethylbenzene and xylene	REACH #: 01-2119539452-40 EC: 905-588-0	≤5	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	[1]
Hydrocarbons, terpene processing by-products	REACH #: 01-2119980606-28 EC: 273-309-3 CAS: 68956-56-9	≤5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	[1]
2-butoxyethyl acetate	REACH #: 01-2119475112-47 EC: 203-933-3 CAS: 112-07-2 Index: 607-038-00-2	≤5	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332	[1] [2]
(2-methoxymethylethoxy)propanol	REACH #: 01-2119450011-60 EC: 252-104-2 CAS: 34590-94-8	≤5	Not classified.	[2]
1,3,5-Triazine-2,4,6-triamine, polymer with formaldehyde, butylated	CAS: 68002-25-5	≤3	Aquatic Chronic 4, H413	[1]
Naphtha (petroleum), hydrotreated heavy	REACH #: 01-2119463258-33 EC: 919-857-5 CAS: 64742-48-9	≤3	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066	[1]
Fatty acids, C14-18 and C16-18-unsatd., maleated	REACH #: 01-2119976378-19 EC: 701-043-4 CAS: 85711-46-2	<1	Skin Irrit. 2, H315 Skin Sens. 1, H317	[1]
formaldehyde	REACH #: 01-2119488953-20 EC: 200-001-8 CAS: 50-00-0 Index: 605-001-00-5	<0.1	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H335	[1] [2]
maleic anhydride	REACH #: 01-2119472428-31 EC: 203-571-6 CAS: 108-31-6 Index: 607-096-00-9	≤0.1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1A, H317	[1] [2]

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Standox BASECOAT OCHRE	Standox BASECOAT OCHRE				
SECTION 3: Con	nposition/informatio	n on ingredients			
		STOT RE 1, H372 (respiratory system) (inhalation) EUH071			
		See Section 16 for the full text of the H statements declared above.			

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** 

: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Inhalation

est medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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

: Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Protection of first-aiders** 

: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

## 4.2 Most important symptoms and effects, both acute and delayed <u>Over-exposure signs/symptoms</u>

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## **SECTION 4: First aid measures**

**Eye contact** : Adverse symptoms may include the following:

pain watering redness

**Inhalation** : Adverse symptoms may include the following:

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness

**Skin contact**: Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

**Ingestion**: Adverse symptoms may include the following:

stomach pains

## 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.

**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

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## **SECTION 6: Accidental release measures**

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

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 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**

	Notification and MAPP threshold	Safety report threshold
P5c	5000 tonne	50000 tonne

### 7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

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# **SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

### Occupational exposure limits

Product/ingredient name	Exposure limit values
n-butyl acetate	EH40/2005 WELs (United Kingdom (UK), 1/2020).
	STEL: 966 mg/m³ 15 minutes.
	STEL: 200 ppm 15 minutes.
	TWA: 724 mg/m³ 8 hours.
	TWA: 150 ppm 8 hours.
butan-1-ol	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
	through skin.
	STEL: 154 mg/m³ 15 minutes.
	STEL: 50 ppm 15 minutes.
2-butoxyethyl acetate	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
	through skin.
	TWA: 20 ppm 8 hours.
	STEL: 50 ppm 15 minutes.
	STEL: 332 mg/m³ 15 minutes.
	TWA: 133 mg/m³ 8 hours.
(2-methoxymethylethoxy)propanol	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
	through skin.
	TWA: 308 mg/m³ 8 hours.
	TWA: 50 ppm 8 hours.
formaldehyde	EH40/2005 WELs (United Kingdom (UK), 1/2020).
,	STEL: 2.5 mg/m³ 15 minutes.
	STEL: 2 ppm 15 minutes.
	TWA: 2 ppm 8 hours.
	TWA: 2.5 mg/m <sup>3</sup> 8 hours.
maleic anhydride	EH40/2005 WELs (United Kingdom (UK), 1/2020). Inhalation
<b>,</b>	sensitiser.
	STEL: 3 mg/m³ 15 minutes.
	TWA: 1 mg/m³ 8 hours.

### **Biological exposure indices**

No exposure indices known.

procedures

Recommended monitoring: 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	Туре	Exposure	Value	Population	Effects
n-butyl acetate	DNEL	Short term Dermal	11 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	11 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	300 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term Inhalation	600 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term Inhalation	600 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	7 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	48 mg/m³	Workers	Systemic
butan-1-ol	DNEL	Long term Inhalation	310 mg/m <sup>3</sup>	Workers	Local
Reaction mass of ethylbenzene and xylene	DNEL	Long term Dermal	212 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	221 mg/m³	Workers	Systemic

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# **SECTION 8: Exposure controls/personal protection**

		•			
Hydrocarbons, terpene processing	DNEL	Long term Oral	0.3 mg/kg	General	Systemic
by-products	DAIEI	D	bw/day	population	0
	DNEL	Long term Dermal	0.3 mg/kg	General	Systemic
	DNEL	Long term	bw/day 0.7 mg/m³	population General	Systemic
	DINEL	Inhalation	0.7 mg/m	population	Systemic
	DNEL	Long term Dermal	0.8 mg/kg	Workers	Systemic
	DINLL	Long term Dermai	bw/day	VVOIKCIS	Oysternio
	DNEL	Long term	2.9 mg/m <sup>3</sup>	Workers	Systemic
	D. 122	Inhalation	2.0 mg/m	TT GINGIG	Cyotolino
2-butoxyethyl acetate	DNEL	Long term	20 ppm	Workers	Systemic
		Inhalation			,
	DNEL	Long term Dermal	102 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Short term Dermal	120 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Long term	133 mg/m <sup>3</sup>	Workers	Systemic
	DAIEI	Inhalation	400	<b>VA</b> / <b>I</b>	0
	DNEL	Long term Dermal	169 mg/kg	Workers	Systemic
	DNEL	Short term	bw/day	Workers	Local
	DINEL	Inhalation	333 mg/m³	VVOIKEIS	Lucai
(2-methoxymethylethoxy)propanol	DNEL	Long term Dermal	65 mg/kg	Workers	Systemic
(2-methoxymethylethoxy)proparior	DINLL	Long term Dermai	bw/day	VVOIKCIS	Oysternio
	DNEL	Long term	50.4 ppm	Workers	Systemic
		Inhalation	оот грр		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	DNEL	Long term Dermal	283 mg/kg	Workers	Systemic
		ŭ	bw/day		,
	DNEL	Long term	308 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			
Naphtha (petroleum), hydrotreated	DNEL	Long term	272 ppm	Workers	Systemic
heavy	5	Inhalation			
	DNEL	Long term Dermal	300 mg/kg	Workers	Systemic
	DNEL	Long torm	bw/day	Morkoro	Cyntomia
	DNEL	Long term Inhalation	1.9 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	300 mg/kg	Workers	Systemic
	DIVLL	Long term berman	bw/day	VVOINCIS	Oystoniio
	DNEL	Long term		Workers	Local
		Inhalation	m³		
	DNEL	Short term	1066.67	Workers	Local
		Inhalation	mg/m³		
	DNEL	Short term	1286.4 mg/	Workers	Systemic
		Inhalation	m³		
Fatty acids, C14-18 and	DNEL	Long term Dermal	3 mg/kg	Workers	Systemic
C16-18-unsatd., maleated	ריים	Lamber Service	bw/day	M/ = wlass ::	
formaldehyde	DNEL	Long term	0.375 mg/ m³	Workers	Local
	DNEL	Inhalation Short term	m <sup>3</sup> 0.75 mg/m <sup>3</sup>	Workers	Local
	DINEL	Inhalation	0.75 mg/m	VVOINGIS	Local
	DNEL	Long term Dermal	37 µg/cm²	Workers	Local
	DNEL	Long term	9 mg/m³	Workers	Systemic
		Inhalation	3		•
	DNEL	Long term Dermal	240 mg/kg	Workers	Systemic
			bw/day		
maleic anhydride	DNEL	Short term Dermal	0.04 mg/kg		Systemic
	DNEL	Long term	0.4 mg/cm <sup>2</sup>	Workers	Systemic
	D	Inhalation	0.004	<b>14</b> / 1	
	DNEL	Long term	0.081 mg/	Workers	Local
	ראורי	Inhalation	m <sup>3</sup>	\\/ = w  < = :	C) retened :
	DNEL	Long term Inhalation	0.081 mg/ m³	Workers	Systemic
	DNEL	Short term	m³ 0.2 mg/m³	Workers	Local
	DIVLL	Inhalation	0.2 mg/m	VVOINGIS	Local
		aaaa			

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# **SECTION 8: Exposure controls/personal protection**

DNEL	Short term	0.2 mg/m <sup>3</sup>	Workers	Systemic
	Inhalation			
DNEL	Short term Dermal	0.2 mg/kg	Workers	Systemic
		bw/day		
DNEL	Long term Dermal	0.2 mg/kg	Workers	Systemic
		bw/day		

### **PNECs**

Product/ingredient name	Compartment Detail	Value	Method Detail
n-butyl acetate	Soil	0.09 mg/kg	-
	Fresh water	0.18 mg/l	-
	Sewage Treatment	35.6 mg/l	-
	Plant		
	Marine water	0.018 mg/l	-
	Fresh water sediment	0.981 mg/kg	-
	Marine water sediment	0.098 mg/kg	-
butan-1-ol	Fresh water	0.082 mg/l	-
	Marine water	0.0082 mg/l	-
	Fresh water sediment	0.324 mg/kg dwt	-
	Marine water sediment	0.0324 mg/kg dwt	-
	Soil	0.017 mg/kg dwt	-
	Sewage Treatment Plant	2476 mg/l	-
Reaction mass of ethylbenzene and xylene	Fresh water	0.327 mg/l	_
	Marine water	0.327 mg/l	-
	Sewage Treatment	6.58 mg/l	-
	Plant		
	Fresh water sediment	12.46 mg/kg dwt	_
	Marine water sediment	12.46 mg/kg dwt	_
	Soil	2.31 mg/kg	-
2-butoxyethyl acetate	Fresh water	0.304 mg/l	-
	Marine water	0.0304 mg/l	-
	Fresh water sediment	2.03 mg/kg dwt	-
	Marine water sediment	0.203 mg/kg dwt	-
	Soil	0.415 mg/kg dwt	_
	Sewage Treatment Plant	90 mg/l	-
(2 mathayy mathylathayy) prapanal	Marine water	1.0 mg/l	
(2-methoxymethylethoxy)propanol	Fresh water	1.9 mg/l	-
	Fresh water sediment	19 mg/l	-
		70.2 mg/l 190 mg/l	-
	Secondary Poisoning	4168 mg/l	-
	Sewage Treatment Plant	4 100 1119/1	-
	Marine water sediment	7.02 mg/kg	_
	Soil	2.74 mg/kg	_
formaldehyde	Fresh water	0.44 mg/l	_
Termaladityae	Marine water	0.44 mg/l	_
	Fresh water sediment	2.3 mg/kg	_
	Soil	0.2 mg/kg	_
	Sewage Treatment	0.19 mg/l	_
	Plant	J. 10 1119/1	
	Marine water sediment	2.3 mg/kg	_
maleic anhydride	Marine water	0.004281 mg/l	_
maioto amyanao	Fresh water	0.04281 mg/l	_
	Sediment	0.334 mg/l	_
	Codifficit	5.50± mg/i	

### 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**

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# **SECTION 8: Exposure controls/personal protection**

### 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. Contaminated work clothing should not be allowed out of the workplace. 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

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.

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flatting should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable

respiratory protective equipment should be used.

**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: Yellow.

Odour threshold : Not available.

Not available.

**Melting point/freezing point**: Technically not possible to measure

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# SECTION 9: Physical and chemical properties

Initial boiling point and

boiling range

: 117 to 126°C (242.6 to 258.8°F)

Flammability (solid, gas)

Upper/lower flammability or explosive limits

: Not available. : Lower: 1.2% Upper: 11.3%

Flash point : Closed cup: 25°C (77°F)

**Auto-ignition temperature** : 207°C (404.6°F) **Decomposition temperature** : Not applicable. pН : Not applicable. : Dynamic: 396 mPa·s **Viscosity** 

Kinematic: 405 mm<sup>2</sup>/s

Solubility in water : Not available.

Miscible with water · No

Partition coefficient: n-octanol/ : Not applicable.

water

Vapour pressure : 0.85 kPa (6.4 mm Hg)

Relative density : Not available. : 0.979 g/cm<sup>3</sup> Density Vapour density : Not available. **Explosive properties** : Not available. Oxidising properties : Not available. Weight volatiles : 72.1 % (w/w)

**VOC** content : 71.8 % (w/w) (2010/75/EU)

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

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# **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.

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 Hydrocarbons, terpene processing by-products, Fatty acids, C14-18 and C16-18-unsatd., maleated, formaldehyde, maleic anhydride. May produce an allergic reaction.

### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
n-butyl acetate	LC50 Inhalation Vapour	Rat	21.1 mg/l	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10768 mg/kg	-
butan-1-ol	LC50 Inhalation Vapour	Rat	24000 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	3400 mg/kg	-
	LD50 Oral	Rat	790 mg/kg	-
Reaction mass of	LC50 Inhalation Vapour	Rat	6350 to 6700	4 hours
ethylbenzene and xylene			ppm	
	LD50 Dermal	Rabbit	121236 mg/kg	-
	LD50 Oral	Rat	3523 to 4000	-
			mg/kg	
2-butoxyethyl acetate	LC50 Inhalation Vapour	Rat	7.82 mg/l	4 hours
	LD50 Dermal	Rabbit	1500 mg/kg	-
	LD50 Oral	Rat - Male,	1880 mg/kg	-
		Female		
(2-methoxymethylethoxy) propanol	LD50 Dermal	Rabbit	9510 mg/kg	-
Naphtha (petroleum), hydrotreated heavy	LD50 Oral	Rat	>6 g/kg	-
Fatty acids, C14-18 and C16-18-unsatd., maleated	LD50 Oral	Rat - Female	>2000 mg/kg	-
formaldehyde	LC50 Inhalation Gas.	Rat	250 ppm	4 hours
-	LD50 Dermal	Rabbit	270 mg/kg	-
	LD50 Oral	Rat	100 mg/kg	-
maleic anhydride	LD50 Dermal	Rabbit	2620 mg/kg	-
•	LD50 Oral	Rat	400 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	7042.8	16940.3	N/A	149.0	N/A
n-butyl acetate	10768	N/A	N/A	21.1	N/A
butan-1-ol	790	3400	N/A	24	N/A
Reaction mass of ethylbenzene and xylene	N/A	1100	N/A	11	N/A
2-butoxyethyl acetate	1880	1500	N/A	11	N/A
(2-methoxymethylethoxy)propanol	N/A	9510	N/A	N/A	N/A
formaldehyde	100	270	250	N/A	N/A
maleic annydride	400	2620	N/A	N/A	N/A

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# **SECTION 11: Toxicological information**

## Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
butan-1-ol	Eyes - Cornea opacity	Rabbit	2.11	-	7 days
	Eyes - Severe irritant	Rabbit	-	0.005 MI	-
	Eyes - Severe irritant	Rabbit	-	24 hours 2 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20	-
Hydrocarbons, terpene processing by-products	Eyes - Moderate irritant	Human	-	-	-
	Skin - Irritant	Human	-	-	-
Fatty acids, C14-18 and C16-18-unsatd., maleated	Skin - Moderate irritant	Human	-	-	-
formaldehyde	Eyes - Mild irritant	Human	-	6 minutes 1 ppm	-
	Eyes - Severe irritant	Rabbit	-	24 hours 750	-
	Eyes - Severe irritant	Rabbit	_	750 ug	_
	Eyes - Visible necrosis	Rabbit	_	18 hours	18 hours
	Skin - Mild irritant	Human	-	72 hours 150 ug l	-
	Skin - Mild irritant	Rabbit	-	540 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 50 mg	-
	Skin - Severe irritant	Human	_	0.01 %	-
	Skin - Severe irritant	Rabbit	-	0.8 %	-
	Skin - Severe irritant	Rabbit	-	24 hours 2	-
	Skin - Visible necrosis	Rabbit	_	mg 20 hours	24 hours
maleic anhydride	Eyes - Severe irritant	Rabbit	-	1 %	-

## **Sensitisation**

Product/ingredient name	Route of exposure	Species	Result
Fatty acids, C14-18 and C16-18-unsatd., maleated	skin	Mouse	Sensitising
formaldehyde	skin	Mouse	Sensitising

## **Mutagenicity**

## Carcinogenicity

## **Reproductive toxicity**

Product/ingredient name	Maternal toxicity	Fertility	Developmental toxin	Species	Dose	
Fatty acids, C14-18 and C16-18-unsatd., maleated	-	-	-	Rat - Male, Female		35 days; 7 days per week

## **Teratogenicity**

## Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
n-butyl acetate	Category 3	-	Narcotic effects
butan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
Reaction mass of ethylbenzene and xylene	Category 3	-	Respiratory tract irritation
Naphtha (petroleum), hydrotreated heavy	Category 3	-	Narcotic effects
formaldehyde	Category 3	-	Respiratory tract irritation

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# SECTION 11: Toxicological information

## Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
	Category 2 Category 1	- inhalation	respiratory system

### **Aspiration hazard**

Product/ingredient name	Result
Reaction mass of ethylbenzene and xylene Hydrocarbons, terpene processing by-products Naphtha (petroleum), hydrotreated heavy	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

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

of exposure

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or

dizziness.

Skin contact : Causes skin irritation. May cause an allergic skin reaction. : Can cause central nervous system (CNS) depression. Ingestion

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

> watering redness

Inhalation : Adverse symptoms may include the following:

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness

Skin contact : Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

Ingestion : Adverse symptoms may include the following:

stomach pains

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

**Short term exposure** 

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Not available.

: Once sensitized, a severe allergic reaction may occur when subsequently exposed General

to very low levels.

: No known significant effects or critical hazards. Carcinogenicity

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# **SECTION 11: Toxicological information**

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-butyl acetate	Acute LC50 100 ppm Fresh water	Fish - Bluegill - Lepomis macrochirus	96 hours
butan-1-ol	Acute EC50 1983 mg/l Fresh water	Daphnia - Water flea - <i>Daphnia</i> magna	48 hours
	Acute LC50 1730000 μg/l Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
Reaction mass of ethylbenzene and xylene	Acute EC50 2.2 mg/l	Algae - Algae - Selenastrum capricornutum	73 hours
,	Acute LC50 1 mg/l	Daphnia - Daphnia - <i>Daphnia magna</i>	24 hours
	Acute LC50 2.6 mg/l	Fish - Trout - Oncorhynchus mykiss	96 hours
	Chronic NOEC 16 mg/l	Micro-organism - Activated sludge - Activated sludge	28 days
Hydrocarbons, terpene processing by-products	Acute EC50 4.779 mg/l	Algae	72 hours
	Acute EC50 2.1 mg/l	Daphnia	48 hours
	Acute LC50 5.07 mg/l	Fish	96 hours
2-butoxyethyl acetate	Chronic LC50 11 mg/l	Fish - Trout	96 hours
formaldehyde	Acute EC50 3.26 mg/l Fresh water	Daphnia - Water flea - <i>Daphnia magna</i> - Embryo	48 hours
	Acute LC50 11.41 mg/l Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia	48 hours
	Acute LC50 1.41 ppm Fresh water	Fish - Rainbow trout,donaldson trout - <i>Oncorhynchus mykiss</i>	96 hours
	Chronic NOEC 3000 ppm Fresh water	Crustaceans - European crayfish - Astacus astacus - Egg	21 days
	Chronic NOEC 1.56 mg/l Fresh water	Fish - Nile tilapia - <i>Oreochromis</i> niloticus - Fingerling	12 weeks
maleic anhydride	Acute LC50 230 ppm Fresh water	Fish - Western mosquitofish - Gambusia affinis - Adult	96 hours

**Conclusion/Summary**: Not available.

## 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Hydrocarbons, terpene processing by-products	OECD 301D	82 % - Readily - 28 days	-	-
2-butoxyethyl acetate	-	>60 % - Readily - 28 days	-	-

**Conclusion/Summary**: Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Hydrocarbons, terpene processing by-products	-	-	Readily
2-butoxyethyl acetate	-	-	Readily
Naphtha (petroleum), hydrotreated heavy	-	-	Readily

### 12.3 Bioaccumulative potential

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# **SECTION 12: Ecological information**

Product/ingredient name	LogPow	BCF	Potential
n-butyl acetate	2.3	-	Low
butan-1-ol	1	-	Low
Reaction mass of ethylbenzene and xylene	3.16	-	Low
Hydrocarbons, terpene processing by-products	-	855.7	High
2-butoxyethyl acetate	1.51	-	Low
(2-methoxymethylethoxy) propanol	0.004	-	Low
Naphtha (petroleum), hydrotreated heavy	-	10 to 2500	High
maleic anhydride	-2.78	-	Low

## 12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: 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**

## **Packaging**

Methods of disposal

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

: 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.

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. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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# **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	No.	Yes.	No.	No.

## **Additional information**

ADR/RID : Tunnel code (D/E)

**ADN** : The product is only regulated as an environmentally hazardous substance when

transported in tank vessels.

user

14.6 Special precautions for : 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

P5c

### **National regulations**

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# **SECTION 15: Regulatory information**

Product/ingredient name	List name	Name on list	Classification	Notes
formaldehyde	UK Occupational Exposure Limits EH40 - WEL	formaldehyde; methanal	Carc.	-

### **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

: ATE = Acute Toxicity Estimate

acronyms 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
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 3, H412	Calculation method

### Full text of abbreviated H statements

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H350	May cause cancer.

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## **SECTION 16: Other information**

H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH071	Corrosive to the respiratory tract.

### 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 Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Aquatic Chronic 4	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Carc. 1B	CARCINOGENICITY - Category 1B
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Muta. 2	GERM CELL MUTAGENICITY - Category 2
Resp. Sens. 1	RESPIRATORY SENSITISATION - Category 1
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
Skin Sens. 1B	SKIN SENSITISATION - Category 1B
STOT RE 1	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

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# **SECTION 16: Other information**

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