## SAFETY DATA SHEET



FEIDOPUR PRIMER ZG23-G3 - All variants

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

#### 1.1 Product identifier

**Product name** : FEIDOPUR PRIMER ZG23-G3 - All variants

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

**Product use** : Paint.

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

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

e-mail address of person : Prod-safe@teknos.com

responsible for this SDS

**National contact** 

Teknos (UK) Limited, 7 Longlands Rd, Bicester, Oxfordshire OX26 5AH, United Kingdom. Tel. +44 (0) 1869 208005.

#### 1.4 Emergency telephone number

**National advisory body/Poison Centre** : NHS: 111 Telephone number

## 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 Irrit. 2, H319 Skin Sens. 1, H317 **STOT RE 2, H373** Aquatic Chronic 2, H411

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

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** 









: Warning Signal word

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

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H373 - May cause damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

**Precautionary statements** 

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## **SECTION 2: Hazards identification**

**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.

P273 - Avoid release to the environment.

P260 - Do not breathe vapour.

Response

: P391 - Collect spillage.

Storage

: Not applicable.

Disposal

: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label

elements

: Warning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

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
titanium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7	≥10 - ≤25	Carc. 2, H351 (inhalation)	[1] [*]
n-Butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	≤12	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	[1] [2]
Xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥10 - ≤16	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 (oral, inhalation) Asp. Tox. 1, H304	[1] [2]
Trizinc bis(orthophosphate)	REACH #: 01-2119485044-40 EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6	≤10	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
2-Methoxy-1-methylethyl acetate	REACH #: 01-2119475791-29 EC: 203-603-9 CAS: 108-65-6 Index: 607-195-00-7	≤4.5	Flam. Liq. 3, H226 STOT SE 3, H336	[1] [2]
Phenol, 4,4'-(1-methylethylidene) bis-, polymer with 2,2'-[ (1-methylethylidene)bis	CAS: 25036-25-3	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	[1]

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(4,1-phenyleneoxymethylene)]bis [oxirane				
Ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≤3	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) (oral, inhalation)	[1] [2]
Solvent naphtha (petroleum), light aromatic	REACH #: 01-2119455851-35 EC: 265-199-0 CAS: 64742-95-6 Index: 649-356-00-4	≤2.8	Asp. Tox. 1, H304 Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	[1]
2-butoxyethyl acetate	REACH #: 01-2119475112-47 EC: 203-933-3 CAS: 112-07-2	<1	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332	[1] [2]
2-butoxyethyl acetate	REACH #: 01-2119475112-47 EC: 203-933-3 CAS: 112-07-2 Index: 607-038-00-2	<1	Acute Tox. 4, H312 Acute Tox. 4, H332	[1] [2]
Zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	≤0.3	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
Ethanol	REACH #: 01-2119457610-43 EC: 200-578-6 CAS: 64-17-5	≤0.3	Flam. Liq. 2, H225 Eye Irrit. 2, H319	[1] [2]
Hexanoic acid, 2-ethyl-, zinc salt, basic	Index: 603-002-00-5 REACH #: 01-2119979093-30 EC: 286-272-3 CAS: 85203-81-2	≤0.3	Eye Irrit. 2, H319 Repr. 2, H361d Aquatic Chronic 3, H412	[1]
iso-butanol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≤0.1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	[1] [2]
Di-isobutyl ketone	REACH #: 01-2119474441-41 EC: 203-620-1 CAS: 108-83-8 Index: 606-005-00-X	≤0.1	Flam. Liq. 3, H226 STOT SE 3, H335	[1] [2]
butan-2-ol	REACH #: 01-2119475146-36 EC: 201-158-5 CAS: 78-92-2 Index: 603-127-00-5	≤0.1	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H335 STOT SE 3, H336	[1] [2]
Toluene	REACH #: 01-2119471310-51 EC: 203-625-9 CAS: 108-88-3 Index: 601-021-00-3	≤0.1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304	[1] [2]
Methyl methacrylate	REACH #: 01-2119452498-28 EC: 201-297-1 CAS: 80-62-6 Index: 607-035-00-6	≤0.1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335	[1] [2]
4-isocyanatosulphonyltoluene	REACH #: 01-2119980050-47	≤0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1] [2]

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

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	EC: 223-810-8 CAS: 4083-64-1 Index: 615-012-00-7		Resp. Sens. 1, H334 STOT SE 3, H335 EUH014	
Fluorite	EC: 238-575-7 CAS: 14542-23-5	≤0.1	Not classified.	[2]
Butanone	REACH #: 01-2119457290-43 EC: 201-159-0 CAS: 78-93-3 Index: 606-002-00-3	≤0.1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	[1] [2]
tosyl chloride	EC: 202-684-8 CAS: 98-59-9	≤0.1	Skin Irrit. 2, H315 Eye Dam. 1, H318	[1] [2]
chlorobenzene	EC: 203-628-5 CAS: 108-90-7 Index: 602-033-00-1	≤0.1	Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Aquatic Chronic 2, H411	[1] [2]
Dibutyltindilaurate	REACH #: 01-2119496068-27 EC: 201-039-8 CAS: 77-58-7	<0.1	Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360 STOT SE 1, H370 STOT RE 1, H372 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) See Section 16 for	[1] [2]
			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 health or environmental hazard
- [2] Substance with a workplace exposure limit
- [\*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with aerodynamic diameter ≤ 10 µm not bound within a matrix.

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. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention following exposure or if feeling unwell. 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.

**Skin contact** 

: 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. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

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

#### Ingestion

: 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. Get medical attention following exposure or if feeling unwell. 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. 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 aloves.

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

## Over-exposure signs/symptoms

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

> pain or irritation watering

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:

> irritation redness

redness

Ingestion : No specific data.

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

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Suitable extinguishing media

: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing** 

media

: Do not use water jet.

## 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous combustion** products

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide sulfur oxides phosphorus oxides metal oxide/oxides

#### 5.3 Advice for firefighters

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk.

Use water spray to keep fire-exposed containers cool.

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## SECTION 5: Firefighting measures

**Special protective** equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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

## 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

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

**Small spill** 

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 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

**Protective measures** 

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating. lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

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## **SECTION 7: Handling and storage**

# Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

## **Seveso Directive - Reporting thresholds**

## **Danger criteria**

	Notification and MAPP threshold	Safety report threshold
P5c	5000 tonne	50000 tonne
E2	200 tonne	500 tonne

#### 7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

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

## 8.1 Control parameters

## **Occupational exposure limits**

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.

Xylene EH40/2005 WELs (United Kingdom (UK), 1/2020). [xylene, o-,m-,

p- or mixed isomers] Absorbed through skin.

STEL: 441 mg/m³ 15 minutes. TWA: 50 ppm 8 hours. TWA: 220 mg/m³ 8 hours. STEL: 100 ppm 15 minutes.

2-Methoxy-1-methylethyl acetate EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed

through skin.

STEL: 548 mg/m<sup>3</sup> 15 minutes. TWA: 50 ppm 8 hours. TWA: 274 mg/m<sup>3</sup> 8 hours. STEL: 100 ppm 15 minutes.

Ethylbenzene EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed

through skin.

STEL: 552 mg/m³ 15 minutes. STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours. TWA: 441 mg/m³ 8 hours.

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-butoxyethyl acetate EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed

through skin.

TWA: 20 ppm 8 hours.

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STEL: 50 ppm 15 minutes. STEL: 332 mg/m<sup>3</sup> 15 minutes. TWA: 133 mg/m<sup>3</sup> 8 hours.

EH40/2005 WELs (United Kingdom (UK), 1/2020). Ethanol

> TWA: 1000 ppm 8 hours. TWA: 1920 mg/m<sup>3</sup> 8 hours.

EH40/2005 WELs (United Kingdom (UK), 1/2020). iso-butanol

> STEL: 231 mg/m<sup>3</sup> 15 minutes. STEL: 75 ppm 15 minutes. TWA: 154 mg/m<sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.

EH40/2005 WELs (United Kingdom (UK), 1/2020). Di-isobutyl ketone

> TWA: 25 ppm 8 hours. TWA: 148 mg/m<sup>3</sup> 8 hours.

butan-2-ol EH40/2005 WELs (United Kingdom (UK), 1/2020).

> STEL: 462 mg/m<sup>3</sup> 15 minutes. STEL: 150 ppm 15 minutes. TWA: 308 mg/m<sup>3</sup> 8 hours. TWA: 100 ppm 8 hours.

EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed Toluene

through skin.

STEL: 384 mg/m<sup>3</sup> 15 minutes. TWA: 191 mg/m<sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes.

Methyl methacrylate EH40/2005 WELs (United Kingdom (UK), 1/2020).

> STEL: 416 mg/m3 15 minutes. STEL: 100 ppm 15 minutes. TWA: 208 mg/m<sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.

EH40/2005 WELs (United Kingdom (UK), 1/2020). [isocyanates, 4-isocyanatosulphonyltoluene

all, except methyl isocyanate] Inhalation sensitiser.

STEL: 0.07 mg/m³, (as -NCO) 15 minutes. TWA: 0.02 mg/m³, (as -NCO) 8 hours.

EU OEL (Europe, 10/2019). [fluorides, inorganic] Notes: list of Fluorite

indicative occupational exposure limit values

TWA: 2.5 mg/m<sup>3</sup> 8 hours.

**Butanone** EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed

through skin.

STEL: 899 mg/m<sup>3</sup> 15 minutes. STEL: 300 ppm 15 minutes. TWA: 600 mg/m<sup>3</sup> 8 hours. TWA: 200 ppm 8 hours.

EH40/2005 WELs (United Kingdom (UK), 1/2020). tosyl chloride

STEL: 5 mg/m3 15 minutes.

EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed chlorobenzene

through skin.

STEL: 3 ppm 15 minutes. TWA: 1 ppm 8 hours. TWA: 4.7 mg/m<sup>3</sup> 8 hours. STEL: 14 mg/m³ 15 minutes.

Dibutyltindilaurate EH40/2005 WELs (United Kingdom (UK), 1/2020). [tin

compounds, organic, except cyhexatin (ISO)] Absorbed

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through skin.

STEL: 0.2 mg/m³, (as Sn) 15 minutes. TWA: 0.1 mg/m³, (as Sn) 8 hours.

procedures

**Recommended monitoring**: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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**

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Product/ingredient name	Type	Exposure	Value	Population	Effects
titanium dioxide	DNEL	Long term	10 mg/m³	Workers	Local
		Inhalation			
	DNEL	Long term Oral	700 mg/kg	General	Systemic
n-Butyl acetate	DNEL	Long term Dermal	bw/day 3.4 mg/kg	population General	Systemic
In Butyr doctato	DIVLL	Long tom Bonnar	bw/day	population	Cyclonic
	DNEL	Long term Dermal	7 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	12 mg/m³	General population	Systemic
	DNEL	Long term Inhalation	48 mg/m³	Workers	Systemic
	DNEL	Short term Oral	2 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	2 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	6 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	11 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	35.7 mg/m³	population	Local
	DNEL	Short term Inhalation	300 mg/m <sup>3</sup>	General population	Local
	DNEL	Short term Inhalation	300 mg/m <sup>3</sup>	General population	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/m³	Workers	Systemic
Xylene	DNEL	Long term Oral	1.6 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	14.8 mg/m³	General population	Systemic
	DNEL	Long term Inhalation	77 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	108 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	289 mg/m³		Local
	DNEL	Short term Inhalation	289 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Inhalation	65.3 mg/m³	population	Local
	DNEL	Short term Inhalation	260 mg/m <sup>3</sup>	General population	Local
	DNEL	Short term Inhalation	260 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	221 mg/m³	Workers	Local
Trizinc bis(orthophosphate)	DNEL	Long term Oral	0.83 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	2.5 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	5 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	83 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	83 mg/kg	Workers	Systemic

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	2-Methoxy-1-methylethyl acetate	DNEL	Long term Oral	bw/day 1.67 mg/	General	Systemic
	<b>-</b>			kg bw/day	population	
		DNEL	Long term	33 mg/m <sup>3</sup>	General	Local
		DITE	Inhalation	00 mg/m	population	2004.
		DNEL	Long term	33 mg/m³	General	Systemic
		DINLL	Inhalation	33 mg/m		Cysternic
		האודו		E4 0/	population	0
		DNEL	Long term Dermal	54.8 mg/	General	Systemic
				kg bw/day	population	
		DNEL	Long term Dermal	153.5 mg/	Workers	Systemic
				kg bw/day		
		DNEL	Long term	275 mg/m <sup>3</sup>	Workers	Systemic
			Inhalation			
		DNEL	Short term	550 mg/m <sup>3</sup>	Workers	Local
			Inhalation	3		
	Ethylbenzene	DNEL	Long term Oral	1.6 mg/kg	General	Systemic
	Laryberizerie	DIVLL	Long term oral	bw/day	population	Cysternic
		DAIEI				Cyatamaia
		DNEL	Long term	15 mg/m³	General	Systemic
		- · · - ·	Inhalation	,	population	
		DNEL	Long term	77 mg/m³	Workers	Systemic
			Inhalation			
		DNEL	Long term Dermal	180 mg/kg	Workers	Systemic
				bw/day		
		DNEL	Short term	293 mg/m <sup>3</sup>	Workers	Local
			Inhalation			
		DMEL	Long term	442 mg/m <sup>3</sup>	Workers	Local
		DIVILL	Inhalation	1 12 1119/111	W GINGIO	20001
		DMEL	Short term	884 mg/m³	Workers	Systemic
		DIVIEL	Inhalation	004 mg/m	WOIKEIS	Systemic
	Calcard randale - (randale com) limbs	האודו		0.44/3	0	04:-
	Solvent naphtha (petroleum), light	DNEL	Long term	0.41 mg/m <sup>3</sup>	General	Systemic
	aromatic		Inhalation		population	
		DNEL	Long term	1.9 mg/m <sup>3</sup>	Workers	Systemic
			Inhalation			
		DNEL	Long term	178.57 mg/	General	Local
			Inhalation	m³	population	
		DNEL	Short term	640 mg/m <sup>3</sup>	General	Local
			Inhalation	]	population	
		DNEL	Long term	837.5 mg/	Workers	Local
			Inhalation	m <sup>3</sup>		1 2 3 3
		DNEL	Short term	1066.67	Workers	Local
		DIVLL	Inhalation	mg/m³	WORKEIS	Local
		DNIEL			Conoral	Cyatamia
		DNEL	Short term	1152 mg/	General	Systemic
		DATE	Inhalation	m <sup>3</sup>	population	
		DNEL	Short term	1286.4 mg/	Workers	Systemic
			Inhalation	m³		
	2-butoxyethyl acetate	DNEL	Long term Oral	8.6 mg/kg	General	Systemic
				bw/day	population	
		DNEL	Short term Oral	36 mg/kg	General	Systemic
				bw/day	population	
		DNEL	Short term Dermal	72 mg/kg	General	Systemic
				bw/day	population	,
		DNEL	Long term	80 mg/m <sup>3</sup>	General	Systemic
			Inhalation	2g,	population	- , 5.5.1110
		DNEL	Long term Dermal	102 mg/kg	General	Systemic
		DINLL	Long term Dermai	bw/day	population	Oysternic
ı		ראבי	Chart tarm Dames	•		Cuotomio
			Short term Dermal	120 mg/kg	Workers	Systemic
		DNEL		OWNOON		i l
			1	bw/day	1071	
		DNEL	Long term	133 mg/m <sup>3</sup>	Workers	Systemic
		DNEL	Inhalation	133 mg/m³		
				133 mg/m <sup>3</sup> 169 mg/kg	Workers Workers	Systemic Systemic
		DNEL DNEL	Inhalation Long term Dermal	133 mg/m³ 169 mg/kg bw/day		
		DNEL	Inhalation	133 mg/m <sup>3</sup> 169 mg/kg		
		DNEL DNEL	Inhalation Long term Dermal	133 mg/m³ 169 mg/kg bw/day	Workers	Systemic
		DNEL DNEL	Inhalation Long term Dermal Short term	133 mg/m³ 169 mg/kg bw/day 200 mg/m³	Workers General	Systemic
		DNEL DNEL	Inhalation Long term Dermal Short term Inhalation Short term	133 mg/m³ 169 mg/kg bw/day	Workers  General population	Systemic Local
		DNEL DNEL	Inhalation Long term Dermal Short term Inhalation	133 mg/m³ 169 mg/kg bw/day 200 mg/m³	Workers  General population	Systemic Local

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OLOTION 6. Exposure com		<u> </u>			
2-butoxyethyl acetate	DNEL	Long term Oral	8.6 mg/kg	General	Systemic
	DNEL	Short term Oral	bw/day 36 mg/kg	population General	Systemic
	DIVEL	Short term Oral	bw/day	population	Systernic
	DNEL	Short term Dermal	72 mg/kg	General	Systemic
	51122	Silott torri Borniar	bw/day	population	Cyclenii C
	DNEL	Long term	80 mg/m³	General	Systemic
		Inhalation		population	
	DNEL	Long term Dermal	102 mg/kg	General	Systemic
	DAIEI	Object to the Design of	bw/day	population	0
	DNEL	Short term Dermal	120 mg/kg bw/day	Workers	Systemic
	DNEL	Long term	133 mg/m <sup>3</sup>	Workers	Systemic
	DIVLL	Inhalation	133 1119/111	WOIKEIS	Oysternic
	DNEL	Long term Dermal	169 mg/kg	Workers	Systemic
			bw/day		-,
	DNEL	Short term	200 mg/m <sup>3</sup>	General	Local
		Inhalation		population	
	DNEL	Short term	333 mg/m <sup>3</sup>	Workers	Local
70	DAIEI	Inhalation	0.5/3	10/	1 1
Zinc oxide	DNEL	Long term Inhalation	0.5 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	0.83 mg/	General	Systemic
	DIVLL	Long term oral	kg bw/day	population	Oysternic
	DNEL	Long term	2.5 mg/m <sup>3</sup>	General	Systemic
		Inhalation	]	population	,
	DNEL	Long term	5 mg/m³	Workers	Systemic
		Inhalation			
	DNEL	Long term Dermal	83 mg/kg	General	Systemic
	DATE		bw/day	population	
	DNEL	Long term Dermal	83 mg/kg	Workers	Systemic
Ethanol	DNEL	Long term Oral	bw/day 87 mg/kg	General	Systemic
Ethanor	DIVLL	Long tomi Orai	bw/day	population	Oysternie
	DNEL	Long term	114 mg/m³	General	Systemic
		Inhalation		population	
	DNEL	Long term Dermal	206 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Long term Dermal	343 mg/kg	Workers	Systemic
	DNE	Chart tawa	bw/day	Camaral	
	DNEL	Short term Inhalation	950 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term	950 mg/m³	Workers	Systemic
	DIVLE	Inhalation	Joo mg/m	Workers	Cyclerino
	DNEL	Short term	1900 mg/	Workers	Local
		Inhalation	m³		
Hexanoic acid, 2-ethyl-, zinc salt,	DNEL	Long term Oral	0.83 mg/	General	Systemic
basic	D		kg bw/day	population	.
	DNEL	Long term	2.5 mg/m <sup>3</sup>	General	Systemic
	DNEL	Inhalation	2 21 mg/	population General	Cuatamia
	DINEL	Long term Dermal	3.21 mg/ kg bw/day	population	Systemic
	DNEL	Long term	5 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation	· · · · · · · · · · · · · · · · · · ·		
	DNEL	Long term Dermal	6.41 mg/	Workers	Systemic
			kg bw/day		
iso-butanol	DNEL	Long term	55 mg/m³	General	Local
	D	Inhalation	040 / 1	population	
	DNEL	Long term	310 mg/m <sup>3</sup>	Workers	Local
Di-isobutyl ketone	DNEL	Inhalation Long term Oral	7.14 mg/	General	Systemic
Di-1300utyi Ketolie	DINCL	Long term Oral	kg bw/day	population	Oyalcillic
	DNEL	Long term Dermal	28.5 mg/	General	Systemic
		2	kg bw/day	population	,
	DNEL	Short term	145 mg/m³	General	Local
1	<u> </u>	l	l	<u> </u>	

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		<b>-</b>			
		Inhalation		population	
	DNEL	Long term	145 mg/m³	General	Local
	DINLL		143 mg/m		Lucai
		Inhalation		population	
	DNEL	Short term	145 mg/m³	General	Systemic
		Inhalation		population	-
	DNEL	Long term	171 mg/m³	General	Systemic
	DINEL		17 1 1119/111		Systernic
		Inhalation		population	
	DNEL	Short term	290 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DAIEI		200/3	\\/ = \\/ = \\/	Lassi
	DNEL	Long term	290 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DNEL	Short term	290 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			- ,
	DAIEI		7 7	<b>10</b> 7 <b>1</b>	0
	DNEL	Long term Dermal	7.7 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Long term	53 mg/m³	Workers	Systemic
	D. 122	Inhalation	oo mg/m	TT GINGIG	Cyclerine
butan-2-ol	DNEL	Long term Oral	15 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Long term	52 mg/m³	General	Systemic
	DIVLL		52 mg/m		Cycloniio
		Inhalation		population	
	DNEL	Long term Dermal	203 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Long term	212 mg/m <sup>3</sup>	Workers	Systemic
	DINCL		212 mg/m	***************************************	Cystollio
		Inhalation			
	DNEL	Long term Dermal	405 mg/kg	Workers	Systemic
		_	bw/day		-
Toluene	DNEL	Long term Oral	8.13 mg/	General	Systemic
Toluette	DINEL	Long term Oral			Systemic
			kg bw/day	population	
	DNEL	Long term	56.5 mg/m <sup>3</sup>	General	Local
		Inhalation		population	
	DNEL		EG E malm3		Cyatamia
	DNEL	Long term	56.5 mg/m <sup>3</sup>	General	Systemic
		Inhalation		population	
	DNEL	Long term	192 mg/m <sup>3</sup>	Workers	Local
		Inhalation	J		
	DNEL		100 mg/m3	Workers	Cyatamia
	DNEL	Long term	192 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			
	DNEL	Long term Dermal	226 mg/kg	General	Systemic
			bw/day	population	,
	DAIEL	Chart tarms			Lasal
	DNEL	Short term	226 mg/m <sup>3</sup>	General	Local
		Inhalation		population	
	DNEL	Short term	226 mg/m <sup>3</sup>	General	Systemic
		Inhalation	J.	population	,
	ראורי		201		Cuatoraia
	DNEL	Long term Dermal	384 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Short term	384 mg/m <sup>3</sup>	Workers	Local
	<b></b>	Inhalation	,		
	ראורי		204 1 3	\\/ = w  < = :	Cuataw-!-
	DNEL	Short term	384 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			
Methyl methacrylate	DNEL	Short term Dermal	1.5 mg/cm <sup>2</sup>	General	Local
.,,. <del></del>	<b></b>			population	
	ראורי	Lamartania Dimini	4 5 / 2		
	DNEL	Long term Dermal	1.5 mg/cm <sup>2</sup>	General	Local
				population	
	DNEL	Short term Dermal	1.5 mg/cm <sup>2</sup>	Workers	Local
	DNEL	Long term Dermal	1.5 mg/cm <sup>2</sup>	Workers	Local
		· ·			
	DNEL	Long term Dermal	8.2 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Long term Dermal	13.67 mg/	Workers	Systemic
	<b></b>		kg bw/day		, · · · · · ·
	ראורי			Camanal	Cuatau-!-
	DNEL	Long term	74.3 mg/m <sup>3</sup>	General	Systemic
		Inhalation		population	
	DNEL	Long term	104 mg/m <sup>3</sup>	General	Local
		Inhalation		population	
	ראבי		200 malas		Local
	DNEL	Long term	208 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	<u> </u>	l			

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	. o.o.p	oroonar proto			
	DNEL	Long term	208 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			
	DNEL	Long term Oral	8.2 mg/kg	General	Systemic
	DAIE	01 11	bw/day	population	
	DNEL	Short term	208 mg/m <sup>3</sup>	General	Local
		Inhalation		population	
	DNEL	Short term	416 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
4-isocyanatosulphonyltoluene	DNEL	Long term Oral	0.46 mg/	General	Systemic
		l <u>-</u> .	kg bw/day	population	
	DNEL	Long term Dermal	0.46 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Long term	0.8 mg/m³	General	Systemic
	5.151	Inhalation		population	
	DNEL	Long term Dermal	0.92 mg/	Workers	Systemic
	DAIEI		kg bw/day	<b>147</b> 1	0 1 .
	DNEL	Long term	3.24 mg/m <sup>3</sup>	Workers	Systemic
B (	DAIEI	Inhalation	0.4 //	0 1	0 1 .
Butanone	DNEL	Long term Oral	31 mg/kg	General	Systemic
	DAIEI	1	bw/day	population	0
	DNEL	Long term	106 mg/m <sup>3</sup>	General	Systemic
	חאורי	Inhalation	440	population	Cuetonsis
	DNEL	Long term Dermal	412 mg/kg	General	Systemic
	ראבי	Lame to	bw/day	population	Cymtau-!-
	DNEL	Long term	600 mg/m <sup>3</sup>	Workers	Systemic
	חאבו	Inhalation	4404	\\/	0
	DNEL	Long term Dermal	1161 mg/	Workers	Systemic
As and also aids	חאבו		kg bw/day	\\\ -     -     -     -     -     -       -	0
tosyl chloride	DNEL	Long term Dermal	0.5 mg/kg	Workers	Systemic
	DNEL	Lama tama	bw/day	\\/awkawa	Cuatamaia
	DNEL	Long term	3.5 mg/m <sup>3</sup>	Workers	Systemic
chlorobenzene	DNEL	Inhalation Short term	1 ma/m3	General	Systemia
Chloropenzerie	DINEL		1 mg/m³		Systemic
	DNEL	Inhalation	1 ma/m3	population General	Systemia
	DINEL	Long term Inhalation	1 mg/m³		Systemic
	DNEL	Short term Oral	3 mg/kg	population General	Systemic
	DINEL	Short term Oral	bw/day	population	Systernic
	DNEL	Long term Oral	3 mg/kg	General	Systemic
	DINLL	Long term Oral	bw/day	population	Systernic
	DNEL	Short term Dermal	3 mg/kg	General	Systemic
	DIVLL	Onort term berman	bw/day	population	Oysternio
	DNEL	Long term Dermal	3 mg/kg	General	Systemic
	D. 1LL	Long tolli Dollid	bw/day	population	Systemio
	DNEL	Long term Dermal	5 mg/kg	Workers	Systemic
	D. 1LL	Long tolli Dollid	bw/day	. 7 011(010	Systemio
	DNEL	Short term Dermal	15 mg/kg	Workers	Systemic
			bw/day	· =::::::::::::::::::::::::::::::::::::	, · · · · ·
	DNEL	Long term	23 mg/m <sup>3</sup>	Workers	Systemic
	<b></b>	Inhalation		· · -	,
	DNEL	Short term	70 mg/m³	Workers	Systemic
	<b></b>	Inhalation		· · -	,
	DNEL	Long term	42.3 mg/m <sup>3</sup>	Workers	Local
		Inhalation	3		
	DNEL	Short term	94 mg/m³	Workers	Local
		Inhalation	5		
Dibutyltindilaurate	DNEL	Short term Oral	0.02 mg/	General	Systemic
<u> </u>			kg bw/day	population	,
	DNEL	Long term	0.02 mg/m <sup>3</sup>		Systemic
		Inhalation	3		
	DNEL	Short term	0.04 mg/m <sup>3</sup>	General	Systemic
		Inhalation	<b>5</b>	population	•
	DNEL	Long term Dermal	0.16 mg/	General	Systemic
		=	kg bw/day	population	÷
	DNEL	Long term Dermal	0.42 mg/	Workers	Systemic
1					

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#### SECTION 8: Exposure controls/personal protection kg bw/day **DNEL** Short term Dermal 2.08 ma/ Workers Systemic kg bw/day **DNEL** Long term Oral 0.0031 mg/ General Systemic kg bw/day population **DNEL** General Long term 0.0046 mg/ Systemic Inhalation m<sup>3</sup> population **DNEL** Short term $0.059 \, \text{mg/}$ Workers Systemic Inhalation m³ DNEL Short term Dermal 0.5 mg/kg General Systemic bw/day population

#### **PNECs**

No PNECs available

#### 8.2 Exposure controls

**Appropriate engineering** controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

#### **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. 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

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

## **Skin protection Hand protection**

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated

Recommendations: Wear suitable gloves tested to EN374.

< 1 hour (breakthrough time): Nitrile gloves. thickness > 0.3 mm

1 - 4 hours (breakthrough time): 4H / Silver Shield® gloves.

#### **Body protection**

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

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**

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Filter type:

Filter type (spray application): A P

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**Environmental exposure** controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **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 : Various

Odour : Slight

Odour threshold : Not available.

Melting point/freezing point

: Not available.

Initial boiling point and

boiling range

Ingredient name

°C

°F

Method

n-Butyl acetate

126

258.8

OECD 103

Solvent naphtha (petroleum), light aromatic

135 to 210

275 to 410

Flammability (solid, gas) : Not available.

Upper/lower flammability or explosive limits : Lower: 0.8%

Upper: 7.6%

Flash point : Closed cup: 25°C (77°F)

**Auto-ignition temperature** 

Ingredient name	°C	°F	Method
Solvent naphtha (petroleum), light aromatic	280 to 470	536 to 878	
2-Methoxy-1-methylethyl acetate	333	631.4	DIN 51794

Decomposition temperature : Not available.pH : Not available.Viscosity : Not available.

Solubility(ies)

Not available.

Solubility in water : Not available.

Partition coefficient: n-octanol/ : Not applicable.

water

Vapour pressure :

	Va	Vapour Pressure at 20°C			Vapour pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
n-Butyl acetate	11.25	1.5	DIN EN 13016-2				
Ethylbenzene	9.3	1.2					

Relative density : Not available.

Density : 1.5 g/cm³
Vapour density : Not available.

Explosive properties : Not available.

Oxidising properties : Not available.

**Particle characteristics** 

Median particle size : Not applicable.

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## **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

: The product is stable.

10.3 Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

10.5 Incompatible materials

: Reactive or incompatible with the following materials:

oxidising materials

10.6 Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
n-Butyl acetate	LC50 Inhalation Vapour	Rat	0.74 mg/l	4 hours
-	LD50 Dermal	Rabbit	14112 mg/kg	-
	LD50 Oral	Rat	10760 mg/kg	-
Xylene	LC50 Inhalation Vapour	Rat	21.7 mg/l	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
2-Methoxy-1-methylethyl acetate	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	8532 mg/kg	-
Ethylbenzene	LC50 Inhalation Dusts and mists	Rat	29000 mg/l	4 hours
	LD50 Dermal	Rabbit	15400 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
Solvent naphtha	LD50 Oral	Rat	8400 mg/kg	-
(petroleum), light aromatic				
2-butoxyethyl acetate	LD50 Dermal	Rabbit	1500 mg/kg	-
	LD50 Oral	Rat	2400 mg/kg	-
2-butoxyethyl acetate	LD50 Dermal	Rabbit	1500 mg/kg	-
	LD50 Oral	Rat	2400 mg/kg	-
Ethanol	LC50 Inhalation Vapour	Rat	124700 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	7 g/kg	-
iso-butanol	LC50 Inhalation Vapour	Rat	19200 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	3400 mg/kg	-
	LD50 Oral	Rat	2460 mg/kg	-
Di-isobutyl ketone	LD50 Dermal	Rabbit	16120 mg/kg	-
-	LD50 Oral	Rat	5750 mg/kg	-
butan-2-ol	LC50 Inhalation Gas.	Rat	8000 ppm	4 hours
	LC50 Inhalation Vapour	Rat	48500 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	2054 mg/kg	-
Toluene	LC50 Inhalation Vapour	Rat	49 g/m³	4 hours
	LD50 Oral	Rat	636 mg/kg	-
Methyl methacrylate	LC50 Inhalation Vapour	Rat	78000 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	7872 mg/kg	-
4-isocyanatosulphonyltoluene	LD50 Oral	Rat	2234 mg/kg	-
Butanone	LD50 Dermal	Rabbit	6480 mg/kg	-
	LD50 Oral	Rat	2737 mg/kg	-
chlorobenzene	LD50 Dermal	Rabbit	>7940 mg/kg	-
	LD50 Oral	Rat	500 mg/kg	-
Dibutyltindilaurate	LD50 Oral	Rat	175 mg/kg	-

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## **SECTION 11: Toxicological information**

Conclusion/Summary

: Based on available data, the classification criteria are not met.

## **Acute toxicity estimates**

Route	ATE value
Dermal	10887.14 mg/kg
Inhalation (vapours)	88.33 mg/l

## **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
titanium dioxide	Skin - Mild irritant	Human	-	72 hours 300	-
				ug I	
n-Butyl acetate	Eyes - Moderate irritant	Rabbit	-	100 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
		D 11.7		mg	
Xylene	Eyes - Mild irritant	Rabbit	-	87 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5	-
	Okin Mild imitorat	Det		mg	
	Skin - Mild irritant	Rat Rabbit	-	8 hours 60 uL	-
	Skin - Moderate irritant		-	100 %	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
Ethylbenzene	Eyes - Severe irritant	Rabbit		mg 500 mg	
Littyiberizerie	Skin - Mild irritant	Rabbit	-	24 hours 15	-
	Skiii - iviiiu ii iitaiit	Nabbit	-		-
Solvent naphtha (petroleum),	Eyes - Mild irritant	Rabbit	_	mg 24 hours 100	_
light aromatic	Lycs - Wild Irritarit	Rabbit		uL	
2-butoxyethyl acetate	Eyes - Mild irritant	Rabbit	_	24 hours 500	_
2 batoxyoutyl doctate	Lyos Willa II Italia	rabbit		mg	
	Skin - Mild irritant	Rabbit	_	500 mg	_
2-butoxyethyl acetate	Eyes - Mild irritant	Rabbit	_	24 hours 500	_
				mg	
	Skin - Mild irritant	Rabbit	_	500 mg	-
Zinc oxide	Eyes - Mild irritant	Rabbit	_	24 hours 500	-
				mg	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
Ethanol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
	Eyes - Moderate irritant	Rabbit	-	0.066666667	-
				minutes 100	
				mg	
	Eyes - Moderate irritant	Rabbit	-	100 uL	-
	Eyes - Severe irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	400 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20	-
Di in about di batana	From NASIA invitant	11		mg	
Di-isobutyl ketone	Eyes - Mild irritant	Human	-	15 minutes	-
	Eyes - Mild irritant	Dobbit		25 ppm	
	Skin - Mild irritant	Rabbit Rabbit	-	500 mg 24 hours 10	-
	OKIII - IVIIIG IITITATI	Rabbit	-	mg	-
	Skin - Mild irritant	Rabbit	_	500 mg	_
butan-2-ol	Eyes - Severe irritant	Rabbit	-	0.1 MI	_
Toluene	Eyes - Mild irritant	Rabbit	_	0.5 minutes	_
Tolderio	Lyos Willa II Italia	rabbit		100 mg	
	Eyes - Mild irritant	Rabbit	_	870 ug	_
	Eyes - Severe irritant	Rabbit	-	24 hours 2	_
				mg	
	Skin - Mild irritant	Pig	-	24 hours 250	-
				uL	
	Skin - Mild irritant	Rabbit	_	435 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20	-
				mg	
	Skin - Moderate irritant	Rabbit	-	500 mg	-
			İ		

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## **SECTION 11: Toxicological information**

4-isocyanatosulphonyltoluene	Eyes - Moderate irritant	Rabbit	-	100 uL	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				uL	
Butanone	Skin - Mild irritant	Rabbit	-	24 hours 14	-
				mg	
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	
Dibutyltindilaurate	Eyes - Moderate irritant	Rabbit	-	24 hours 100	-
				mg	
	Skin - Severe irritant	Rabbit	-	500 mg	-

**Conclusion/Summary** 

**Sensitisation** 

: Causes skin irritation.

**Conclusion/Summary** : May cause an allergic skin reaction.

**Mutagenicity** 

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Carcinogenicity** 

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Reproductive toxicity** 

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Teratogenicity** 

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

## Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
n-Butyl acetate	Category 3	-	Narcotic effects
Xylene	Category 3	-	Respiratory tract irritation
2-Methoxy-1-methylethyl acetate	Category 3	-	Narcotic effects
Solvent naphtha (petroleum), light aromatic	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
iso-butanol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
Di-isobutyl ketone	Category 3	-	Respiratory tract irritation
butan-2-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
Toluene	Category 3	-	Narcotic effects
Methyl methacrylate	Category 3	-	Respiratory tract irritation
4-isocyanatosulphonyltoluene	Category 3	-	Respiratory tract irritation
Butanone	Category 3	-	Narcotic effects
Dibutyltindilaurate	Category 1	-	-

## Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Xylene	Category 2	oral, inhalation	-
Ethylbenzene	Category 2	oral, inhalation	hearing organs
Toluene	Category 2	-	-
Dibutyltindilaurate	Category 1	-	-

## **Aspiration hazard**

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## **SECTION 11: Toxicological information**

Product/ingredient name	Result
Xylene	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1
Solvent naphtha (petroleum), light aromatic	ASPIRATION HAZARD - Category 1
Toluene	ASPIRATION HAZARD - Category 1

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

of exposure

Potential acute health effects

**Eve contact** : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

**Skin contact** : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

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

> pain or irritation watering redness

Inhalation : No specific data.

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

> irritation redness

: No specific data. Ingestion

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

**Short term exposure** 

**Potential immediate** : Not available.

effects

: Not available. Potential delayed effects

Long term exposure

**Potential immediate** 

effects

: Not available.

**Potential delayed effects** : Not available.

Potential chronic health effects

Not available.

**Conclusion/Summary** : Not available.

**General** : May cause damage to organs through prolonged or repeated exposure. Once

sensitized, a severe allergic reaction may occur when subsequently exposed to very

low levels.

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.

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## **SECTION 12: Ecological information**

## **12.1 Toxicity**

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute LC50 3 mg/l Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 6.5 mg/l Fresh water	Daphnia - Water flea - Daphnia pulex - Neonate	48 hours
	Acute LC50 >1000000 µg/l Marine water	Fish - Mummichog - Fundulus heteroclitus	96 hours
n-Butyl acetate	Acute LC50 32 mg/l Marine water	Crustaceans - Brine shrimp - Artemia salina	48 hours
	Acute LC50 18000 μg/l Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
Trizinc bis(orthophosphate)	Acute EC50 0.32 mg/l	Algae - Selenastrum capricornutum	72 hours
	Acute EC50 0.96 mg/l	Crustaceans - Ceriodaphnia dubia	48 hours
Solvent naphtha (petroleum), light aromatic	Acute EC50 3.2 mg/l	Daphnia	48 hours
	Acute LC50 9.2 mg/l	Fish	96 hours
Zinc oxide	Acute IC50 46 μg/l Fresh water	Algae - Green algae - Pseudokirchneriella subcapitata - Exponential growth phase	72 hours
	Acute IC50 1.85 mg/l Marine water	Algae - Diatom - Skeletonema costatum	96 hours
	Acute LC50 98 μg/l Fresh water	Daphnia - Water flea - Daphnia magna - Neonate	48 hours
	Acute LC50 1.1 ppm Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss	96 hours
Ethanol	Acute EC50 17.921 mg/l Marine water	Algae - Green algae - Ulva pertusa	96 hours
	Acute EC50 2000 μg/l Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	Acute LC50 25500 μg/l Marine water	Crustaceans - San Francisco Brine Shrimp - Artemia franciscana - Larvae	48 hours
	Acute LC50 42000 μg/l Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss	4 days
	Chronic NOEC 4.995 mg/l Marine water	Algae - Green algae - Ulva pertusa	96 hours
	Chronic NOEC 100 ul/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate	21 days
	Chronic NOEC 0.375 ul/L Fresh water	Fish - Eastern mosquitofish - Gambusia holbrooki - Larvae	12 weeks
iso-butanol	Acute LC50 600 mg/l Marine water	Crustaceans - Brine shrimp - Artemia salina	48 hours
	Acute LC50 1030000 μg/l Fresh water	Daphnia - Water flea - Daphnia magna - Neonate	48 hours
	Acute LC50 1330000 μg/l Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss	96 hours
butan-2-ol	Acute EC50 4227000 μg/l Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	Acute LC50 3670000 μg/l Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
Toluene	Acute EC50 12500 μg/l Fresh water	Algae - Green algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 11600 μg/l Fresh water	Crustaceans - Scud - Gammarus pseudolimnaeus - Adult	48 hours
	Acute EC50 5.56 mg/l Fresh water	Daphnia - Water flea - Daphnia magna - Neonate	48 hours
	Acute LC50 5500 μg/l Fresh water	Fish - Coho salmon,silver salmon - Oncorhynchus kisutch - Fry	96 hours
	Chronic NOEC 1000 µg/l Fresh water	Daphnia - Water flea - Daphnia	21 days

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## **SECTION 12: Ecological information**

	magna	
Acute LC50 130000 µg/l Fresh water	Fish - Fathead minnow -	96 hours
Acute EC50 >500000 µg/l Marine water	Algae - Diatom - Skeletonema	96 hours
	costatum	
Acute EC50 5091000 µg/l Fresh water	Daphnia - Water flea - Daphnia	48 hours
Acute LC50 3220000 µg/l Fresh water	Fish - Fathead minnow -	96 hours
	Pimephales promelas	
Acute EC50 19.6 mg/l Fresh water		72 hours
Acute EC50 12500 µg/l Fresh water	Algae - Green algae -	96 hours
	Pseudokirchneriella subcapitata	
Acute LC50 7900 µg/l Fresh water	Crustaceans - Water flea -	48 hours
	Ceriodaphnia dubia - Neonate	
Acute LC50 8600 µg/l Fresh water	Daphnia - Water flea - Daphnia	48 hours
	magna - Neonate	
Acute LC50 2370 µg/l Fresh water	Fish - Goldfish - Carassius	96 hours
	auratus - Egg	
Chronic NOEC 2 mg/kg Fresh water	Fish - Goldfish - Carassius	30 days
	auratus	
Chronic EC10 >2 mg/l Fresh water	Algae - Green algae -	96 hours
	Scenedesmus subspicatus	
	Acute LC50 3220000 μg/l Fresh water Acute EC50 19.6 mg/l Fresh water Acute EC50 12500 μg/l Fresh water Acute LC50 7900 μg/l Fresh water Acute LC50 8600 μg/l Fresh water Acute LC50 2370 μg/l Fresh water Chronic NOEC 2 mg/kg Fresh water	Acute LC50 130000 μg/l Fresh water  Acute EC50 >500000 μg/l Marine water  Acute EC50 5091000 μg/l Fresh water  Acute LC50 3220000 μg/l Fresh water  Acute EC50 19.6 mg/l Fresh water  Acute EC50 12500 μg/l Fresh water  Acute LC50 7900 μg/l Fresh water  Acute LC50 7900 μg/l Fresh water  Acute LC50 8600 μg/l Fresh water  Acute LC50 2370 μg/l Fresh water

**Conclusion/Summary** 

: Toxic to aquatic life with long lasting effects.

## 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
iso-butanol	-	74 % - Readily - 28 days	-	-

**Conclusion/Summary** 

: This product has not been tested for biodegradation.

## 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
n-Butyl acetate	2.3	-	low
Xylene	3.12	8.1 to 25.9	low
Trizinc bis(orthophosphate)	-	60960	high
2-Methoxy-1-methylethyl acetate	1.2	-	low
Ethylbenzene	3.6	-	low
Solvent naphtha (petroleum), light aromatic	-	10 to 2500	high
Zinc oxide	-	28960	high
Hexanoic acid, 2-ethyl-, zinc salt, basic	-	60960	high

## **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.

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## SECTION 13: Disposal considerations

#### 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** 

**European waste** catalogue (EWC) : The classification of the product may meet the criteria for a hazardous waste.

: 080111\*

**Packaging** 

**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.

**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.

## **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	Yes.	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.

#### **Additional information**

ADR/RID

: The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

Tunnel code (D/E)

**ADN** 

: The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**IMDG** 

: The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**IATA** 

The environmentally hazardous substance mark may appear if required by other

transportation regulations.

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.

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## SECTION 14: Transport information

14.7 Transport in bulk according to IMO instruments

: Not relevant/applicable due to nature of the product.

## 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.

## **Ozone depleting substances**

Not listed.

#### **Prior Informed Consent (PIC)**

Not listed.

## **Persistent Organic Pollutants**

Not listed.

**Annex XVII - Restrictions** : Not applicable.

on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

#### **Seveso Directive**

This product is controlled under the Seveso Directive.

## **Danger criteria**

## **Category**

P<sub>5</sub>c E2

## **EU regulations**

**Industrial emissions** : Not listed

(integrated pollution prevention and control) -

**Industrial emissions** : Not listed

(integrated pollution prevention and control) -

Water

#### **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.

## Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

## **UNECE Aarhus Protocol on POPs and Heavy Metals**

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## **SECTION 15: Regulatory information**

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
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
STOT RE 2, H373	Calculation method
Aguatic Chronic 2, H411	Calculation method

## Full text of abbreviated H statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
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.
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.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
EUH014	Reacts violently with water.
EUH066	Repeated exposure may cause skin dryness or cracking.

## **Full text of classifications**

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## SECTION 16: Other information

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 Asp. Tox. 1 ASPIRATION HAZARD - Category 1 Carc. 2 CARCINOGENICITY - Category 2 Eye Dam. 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 Flam. Liq. 2 FLAMMABLE LIQUIDS - Category 2 Flam. Liq. 3 FLAMMABLE LIQUIDS - Category 3 Muta. 2 GERM CELL MUTAGENICITY - Category 2 Repr. 1B REPRODUCTIVE TOXICITY - Category 1B Repr. 2 REPRODUCTIVE TOXICITY - Category 2 Resp. Sens. 1 **RESPIRATORY SENSITISATION - Category 1** Skin Corr. 1C SKIN CORROSION/IRRITATION - Category 1C Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2 Skin Sens. 1 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1 STOT RE 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 STOT RE 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 1 STOT SE 1 STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

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## Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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