

SAFETY DATA SHEET

Sonify Panel Touch Up

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

1.1. Product identifier

Trade name

Sonify Panel Touch Up Product no.

BPATUPP50PA

Unique formula identifier (UFI) Q500-C029-G00C-D8X8

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

Relevant identified uses of the substance or mixture

Paint application to canopy or baffles.

Uses advised against

	Process category	Description
	N/A	Do not apply to grid
3. C	etails of the supplier of	of the safety data sheet

1.3. Details of the supplier of the safety data sheet Company and address

Zentia Ltd. Kingsway South, Team Valley, NE11 0SP Gateshead, United Kingdom Reception 0191 497 1000, Customer Service 0191 497 1001 E-mail Contact details i.e., general email address - www.zentia.com Revision 20/01/2023 SDS Version 1.0

1.4. Emergency telephone number

The National Poisons Information Centre (NPIC) Public: +353 (0) 1 809 2166 (7 days a week, 8am- 10pm) Healthcare professionals: +353 (0) 1 809 2566 (24 h service) See also section 4 "First aid measures"

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Carc. 2; H351, Suspected of causing cancer. STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure. 2.2. Label elements

Hazard pictogram(s)





Suspected of causing cancer. (H351) May cause damage to organs through prolonged or repeated exposure. (H373) Safety statement(s) General Prevention Obtain special instructions before use. (P201) Do not breathe vapour/mist. (P260) Wear face protection/protective gloves/protective clothing. (P280) Response IF exposed or concerned: Get medical advice/attention. (P308+P313) Get medical advice/attention if you feel unwell. (P314) Storage Store locked up. (P405) Disposal Dispose of contents/container in accordance with local regulation. (P501) Hazardous substances Melamine Additional labelling EUH208, Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. UFI: Q500-C029-G00C-D8X8 2.3. Other hazards Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Melamine	CAS No.: 108-78-1 EC No.: 203-615-4 REACH: Index No.:	10-20%	Acute Tox. 4, H312 Carc. 2, H351 STOT RE 2, H373	[5]
(2- methoxymethylethoxy)propan ol	CAS No.: 34590-94-8 EC No.: 252-104-2 REACH: 01-2119450011-60-XXXX Index No.:	1-3%		[1]
2-(2- butoxyethoxy)ethanol;diethyle ne glycol monobutyl ether	CAS No.: 112-34-5 EC No.: 203-961-6 REACH: 01-2119475104-44-XXXX Index No.: 603-096-00-8	<1%	Eye Irrit. 2, H319	[1], [3]
2-butoxyethanol;2- butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve	CAS No.: 111-76-2 EC No.: 203-905-0 REACH: 01-2119475108-36-XXXX Index No.: 603-014-00-0	<1%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	[1]
reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-	CAS No.: 55965-84-9 EC No.: 611-341-5 REACH:	<0.1%	EUH071 Acute Tox. 3, H301 Acute Tox. 1, H310	



one (3:1)

Index No.: 613-167-00-5

Skin Corr. 1C, H314 (SCL: 0.60 %) Skin Sens. 1A, H317 (SCL: 0.0015 %) Eye Dam. 1, H318 (SCL: 0.60 %) Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

- [1] European occupational exposure limit.
- [3] According to REACH, Annex XVII, the substance is subject to restrictions.
- [5] Substance is included in the Candidate List of substances of very high concern (SVHC).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:



Carbon oxides (CO / CO2)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the National Poisons Information Centre (NPIC) on +353 (0) 1 809 256 (24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures Avoid direct contact with spilled substances.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

No specific requirements

Storage temperature

Keep in a bunded area. Keep in properly labeled containers. Keep out of the reach of children. Keep locked up or in an area accessible only to qualified or authorized persons. Store between 41 and 77 °F (5 - 25° C) in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

Incompatible materials

Strong oxidizing agents

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

(2-methoxymethylethoxy)propanol

Long term exposure limit (8 hours) (mg/m³): 308

Long term exposure limit (8 hours) (ppm): 50

Annotations:

IOELV = Indicative Occupational Exposure Limit Values are health based limits set under the Chemical Agents Directive (98/24/EC).

Sk = Substance, which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body.

2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether Long term exposure limit (8 hours) (mg/m³): 67.5 Long term exposure limit (8 hours) (ppm): 10 Short term exposure limit (15 minutes) (mg/m³): 101.2 Short term exposure limit (15 minutes) (ppm): 15 Annotations:

IOELV = Indicative Occupational Exposure Limit Values are health based limits set under the Chemical Agents Directive



(98/24/EC).

2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve Long term exposure limit (8 hours) (mg/m³): 98

Long term exposure limit (8 hours) (ppm): 20

Short term exposure limit (15 minutes) (mg/m³): 246

Short term exposure limit (15 minutes) (ppm): 50

Annotations:

IOELV = Indicative Occupational Exposure Limit Values are health based limits set under the Chemical Agents Directive (98/24/EC).

Sk = Substance, which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body.

2021 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019).

DNEL

(2-methoxymethylethoxy)propanol

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	121 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	283 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	37.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	308 mg/m ³
Long term – Systemic effects - General population	Oral	36 mg/kg bw/day

2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether

Duration	Route of exposure	DNEL
Long term – Local effects - Workers	Inhalation	67.5 mg/m³
Short term – Local effects - Workers	Inhalation	101.2 mg/m ³
Long term – Systemic effects - General population	Oral	6.25 mg/kg bw/day

2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve

Duration	Route of exposure	DNEL
Long term – Local effects - General population	Dermal	89 mg/kg
Long term – Systemic effects - General population	Dermal	75 mg/kg
Long term – Systemic effects - Workers	Dermal	125 mg/kg
Short term – Local effects - Workers	Dermal	89 mg/kg
Long term – Local effects - General population	Inhalation	426 mg/m ³
Long term – Systemic effects - General population	Inhalation	59 mg/m³
Long term – Systemic effects - Workers	Inhalation	98 mg/m³
Short term – Local effects - General population	Inhalation	147 mg/m³
Short term – Local effects - Workers	Inhalation	1091 mg/m ³
Long term – Systemic effects - General population	Oral	6.3 mg/kg
Short term – Systemic effects - General population	Oral	26.7 mg/kg

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

 Duration
 Route of exposure
 DNEL

 Long term – Local effects - General population
 Inhalation
 20 μg/m³

Long term – Local effects - General population	Innalation	20 µg/11-
Long term – Local effects - Workers	Inhalation	20 µg/m³
Short term – Local effects - General population	Inhalation	40 µg/m³
Short term – Local effects - Workers	Inhalation	40 µg/m³



Long term – Systemic effects - General population	Oral	90 µg/kgbw/day
Short term – Systemic effects - General population	Oral	110 µg/kgbw/day

PNEC

(2-methoxymethylethoxy)propanol

Route of exposure	Duration of Exposure	PNEC
Freshwater		19 mg/L
Freshwater sediment		70.2 mg/kg
Intermittent release (freshwater)		190 mg/L
Marine water		1.9 mg/L
Marine water sediment		7.02 mg/kg
Sewage treatment plant		4.168 g/L
Soil		2.74 mg/kg

2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether

Route of exposure	Duration of Exposure	PNEC
Freshwater		1.1 mg/L
Freshwater sediment		4.4 mg/kg
Intermittent release (freshwater)		11 mg/L
Marine water		110 µg/L
Marine water sediment		440 µg/kg
Predators		56 mg/kg
Soil		320 µg/kg

2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve

Route of exposure	Duration of Exposure	PNEC
Freshwater		8.8 mg/L
Freshwater sediment		34.6 mg/kg
Marine water		0.88 mg/L
Marine water sediment		3.46 mg/kg
Sewage treatment plant		463 mg/L
Soil		2.33 mg/kg

eaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)				
Route of exposure	Duration of Exposure	PNEC		
Freshwater		3.39 µg/L		
Freshwater sediment		27 µg/kg		
Intermittent release (freshwater)		3.39 µg/L		
Intermittent release (marine water)		3.39 µg/L		
Marine water		3.39 µg/L		
Marine water sediment		27 µg/kg		
Sewage treatment plant		230 µg/L		
Soil		10 µg/kg		

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios



There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Do not recirculate outlet air that contain the substances.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

8.3. Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

	Work situation	Туре	Class	Colour	Standards	
	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Preferably a compressed airline breathing apparatus. Breathing apparatus with filter.	Combination Filter A2B2E2K2	Class 2 (medium capacity)	Brown/Gray/Yellow /Green	EN14387	
Ski	n protection					
	Recommended	Type/Category		Standards		
	Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-		-		R
На	nd protection					
	Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion	Neoprene (Neoprene)	-	> 240	EN374-2, EN374-3, EN388, EN407, EN511	
Eye	e protection					
	Work situation	Туре		Standards		
	When there is risk of splash- / intermittent exposure	Face shield		EN166		RF.

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SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties
  Physical state
      Liquid
  Colour
     Various colours
  Odour / Odour threshold
     Testing not relevant or not possible due to the nature of the product.
  pН
     Testing not relevant or not possible due to nature of the product.
  Density (g/cm<sup>3</sup>)
     1.22
  Kinematic viscosity
     No information available as testing has not been completed.
  Particle characteristics
     Not applicable - product is a liquid
Phase changes
  Melting point/Freezing point (°C)
      No information available as testing has not been completed.
  Softening point/range (waxes and pastes) (°C)
      Does not apply to liquids.
  Boiling point (°C)
     100
  Vapour pressure
     No information available as testing has not been completed.
  Relative vapour density
      No information available as testing has not been completed.
  Decomposition temperature (°C)
      No information available as testing has not been completed.
Data on fire and explosion hazards
  Flash point (°C)
     75
  Auto-Ignition (°C)
     Testing not relevant or not possible due to the nature of the product.
  Flammability (°C)
     Testing not relevant or not possible due to nature of the product.
  Lower and upper explosion limit (% v/v)
     Testing not relevant or not possible due to the nature of the product.
Solubility
  Solubility in water
     Soluble
  n-octanol/water coefficient
     Testing not relevant or not possible due to the nature of the product.
  Solubility in fat (q/L)
     Testing not relevant or not possible due to the nature of the product.
9.2. Other information
  Evaporation rate (n-butylacetate = 100)
     No information available as testing has not been completed.
  VOC (g/L)
     30
  Other physical and chemical parameters
     No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

- No data available.
- 10.2. Chemical stability
 - The product is stable under the conditions, noted in section 7 "Handling and storage".
- 10.3. Possibility of hazardous reactions
- None known.
- 10.4. Conditions to avoid

None known.

- 10.5. Incompatible materials
 - Strong oxidizing agents
- 10.6. Hazardous decomposition products Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke

SECTION 11: Toxicological information

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

Acute toxicity

Product/substance	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
lest method Species	Rat
Route of exposure	Oral
Test	LD50
Result	5660 mg/kg
Other information	
Product/substance Test method	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result Other information	2764 mg/kg
Product/substance Test method	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species	Rat
Route of exposure	Oral
lest	LD50 EE0 mg/l
Other information	550 Hight
Product/substance Test method	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Species	Rat
Route of exposure	Dermal
Test	LD50
Result Other information	200-1000 mg/L
Other Information	
Skin corrosion/irritation	
Based on available dat	a, the classification criteria are not met.
Serious eye damage/irrita	ation
Based on available dat	a, the classification criteria are not met.
Respiratory sensitisation	

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

Skin sensitisation

This product contains substances that may trigger an allergic reaction in already sensitized persons.



Germ cell mutagenicity

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

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

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

11.2. Information on other hazards

Long term effects

Carcinogenic effects: This product contains substances considered or proven to be carcinogenic. The carcinogenic effects may be triggered subsequent to exposure through inhalation, skin contact or ingestion.

Endocrine disrupting properties

None known.

Other information

Melamine has been classified by IARC as a group 2B carcinogen. 2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether; ethylene glycol monobutyl ether; butyl cellosolve has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance Test method Species Compartment Duration Test Result Other information	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether Fish, Lepomis macrochirus 96 hours LC50 1300 mg/L
Product/substance Test method Species Compartment Duration Test Result Other information	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether Daphnia, Daphnia magna 48 hours EC50 >100 mg/L
Product/substance Test method Species Compartment Duration Test Result Other information	2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether Algae, Desmodesmus subspicatus 72 hours EC50 >100 mg/L
Product/substance Test method Species Compartment Duration Test Result Other information	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Fish 96 hours LC50 0.58 mg/L



Product/substance Test method Species Compartment Duration Test Result Other information	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Daphnia 48 hours EC50 1.02 mg/L
 12.2. Persistence and degra No data available. 12.3. Bioaccumulative poter Product/substance Test method Potential bioaccumulation LogPow BCF Other information 	ntial 2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether No data available. 0,68 2,9
 Mobility in soil No data available. Results of PBT and vPv This mixture/product do vPvB. Endocrine disrupting None known. Other adverse effects None known. 	/B assessment es not contain any substances considered to meet the criteria classifying them as PBT and/or properties
SECTION 13: Disposal cons	iderations
Waste treatment methods Product is covered by the HP 5 - Specific Target Or HP 7 - Carcinogenic Dispose of contents/con Commission Regulation EWC code Not applicable. Specific labelling Not applicable. Contaminated packing Packaging containing res	e regulations on hazardous waste. gan Toxicity (STOT)/Aspiration Toxicity tainer to an approved waste disposal plant. (EU) No 1357/2014 of 18 December 2014 on waste. sidues of the product must be disposed of similarly to the product.
SECTION 14: Transport info	ormation

Other information 14.1 14.2 14.3 14.4 14.5 UN / ID UN proper shipping Hazard class(es) PG* Env** name ADR ------IMDG -----_ IATA --_ ---

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user



Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

Not applicable.

REACH, Annex XVII

2-(2-butoxyethoxy)ethanol;diethylene glycol monobutyl ether is subject to REACH restrictions, REACH annex XVII (entry 55).

Additional information

Not applicable.

Sources

Protection of Young Persons (Employment) Act, 1996

Maternity Protection Act 1994 (34/1994) with later amendments.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on

classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

EUH071, Corrosive to the respiratory tract.

- H301, Toxic if swallowed.
- H302, Harmful if swallowed.
- H310, Fatal 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.
- H351, Suspected of causing cancer.
- 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.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- CAS = Chemical Abstracts Service
- CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]



CSA = Chemical Safety Assessment CSR = Chemical Safety Report DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EINECS = European Inventory of Existing Commercial chemical Substances ES = Exposure Scenario EUH statement = CLP-specific Hazard statement EWC = European Waste Catalogue GHS = Globally Harmonized System of Classification and Labelling of Chemicals IARC = International Agency for Research on Cancer (IARC) IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) OECD = Organisation for Economic Co-operation and Development PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail RRN = REACH Registration Number SCL = A specific concentration limit SVHC = Substances of Very High Concern STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-SE = Specific Target Organ Toxicity - Single Exposure TWA = Time weighted average UN = United Nations UVBC = Unknown or variable composition, complex reaction products or of biological materials VOC = Volatile Organic Compound vPvB = Very Persistent and Very Bioaccumulative Additional information The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP). The safety data sheet is validated by EcoOnline

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: IE-en