SAFETY DATA SHEET



OPAL 20 - All variants

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

1.1 Product identifier Product name

: ØPAL 20 - All variants

1.2 Relevant identified uses of the substance or mixture and uses advised againstProduct use: Lacquers.

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

1.4 Emergency telephone number

National advisory body/Poison Centre

 Telephone number
 : National Poisons Information Centre: 01 809 2566

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements		
Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	Contains adipohydrazide, 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro- 2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) and 2-Methyl-1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. Safety data sheet available on request. Contains biocidal products for in-can preservation: BIT and Bronopol and DTBMA and C(M)IT/MIT (3:1) and MBIT.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	

SECTION 2: Hazards identification

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII Other hazards which do

not result in classification

: This mixture contains substances that are assessed to be a PBT or a vPvB, refer to Section 3.2.

: None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture					
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
adipohydrazide	REACH #: 01-2119962900-36 EC: 213-999-5 CAS: 1071-93-8	≤0.3	Skin Sens. 1, H317 Aquatic Chronic 2, H411	-	[1]
bumetrizole	EC: 223-445-4 CAS: 3896-11-5	≤0.3	Not classified.	-	[2]
1,2-benzisothiazol-3(2H)- one	EC: 220-120-9 CAS: 2634-33-5 Index: 613-088-00-6	<0.05	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400	ATE [Oral] = 1020 mg/kg Skin Sens. 1, H317: C ≥ 0.05% M [Acute] = 1	[1]
reaction mass of: 5-chloro- 2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol- 3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 Index: 613-167-00-5	<0.0015	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071	ATE [Oral] = 53 mg/ kg ATE [Dermal] = 50 mg/kg ATE [Inhalation (vapours)] = 0.5 mg/l Skin Corr. 1C, H314: $C \ge 0.6\%$ Eye Dam. 1, H318: $C \ge 0.6\%$ Eye Irrit. 2, H319: $0.06\% \le C < 0.6\%$ Skin Sens. 1, H317: $C \ge 0.0015\%$ M [Acute] = 100 M [Chronic] = 100	[1]
2-Methyl-1,2-benzisothiazol- 3(2H)-one	CAS: 2527-66-4 Index: 613-336-00-3	<0.0015	Acute Tox. 3, H301 Acute Tox. 4, H312 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 EUH071 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 175 mg/kg ATE [Dermal] = 1100 mg/kg Skin Sens. 1, H317: C ≥ 0.0015% M [Acute] = 1	[1]

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. <u>Type</u>

Date of issue/Date of revision

SECTION 3: Composition/information on ingredients

Substance classified with a health or environmental hazard

[2] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

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

SECTION 4: First aid measures

4.1 Description of first aid measures

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

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

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

4.3 Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
5.2 Special hazards arising fr	on	the substance or mixture
Hazards from the substance or mixture	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen 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.

SECTION 5: Firefighting measures

– L			
	Special protective	1	Fire-fighters should wear appropriate protective equipment and self-contained
	equipment for fire-fighters		breathing apparatus (SCBA) with a full face-piece operated in positive pressure
			mode. Clothing for fire-fighters (including helmets, protective boots and gloves)
			conforming to European standard EN 469 will provide a basic level of protection for
			chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	ote	ctive 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. 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).
6.3 Methods and material for	со	ntainment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. 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. 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 non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.
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).
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 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. 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.

7.3 Specific end use(s)					
Recommendations	: Not available.				
Industrial sector specific solutions	: Not available.				

Date of issue/Date of revision

: 15/02/2024 Date of previous issue

: 21/02/2023

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Product/ingredient name	Exposure limit values
No exposure limit value known.	
Biological exposure indices	<u></u>
Product/ingredient name	Exposure indices
No exposure indices known.	
procedures European assessme values an atmosphe of exposu (Workplac for the me	e should be made to monitoring standards, such as the following: Standard EN 689 (Workplace atmospheres - Guidance for the ent of exposure by inhalation to chemical agents for comparison with limit d measurement strategy) European Standard EN 14042 (Workplace eres - Guide for the application and use of procedures for the assessment re to chemical and biological agents) European Standard EN 482 ce atmospheres - General requirements for the performance of procedures easurement of chemical agents) Reference to national guidance is for methods for the determination of hazardous substances will also be

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
dipohydrazide	DNEL	Long term Inhalation	17.5 mg/m³	Workers	Systemic
1,2-benzisothiazol-3(2H)-one	DNEL	Long term Dermal	0.345 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.966 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.2 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	6.81 mg/m ³		Systemic
reaction mass of: 5-chloro-2-methyl- 4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	DNEL	Long term Inhalation	0.02 mg/m ³	General population	Local
	DNEL	Long term Inhalation	0.02 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	0.04 mg/m ³	General population	Local
	DNEL	Short term Inhalation	0.04 mg/m ³		Local
	DNEL	Long term Oral	0.09 mg/ kg bw/day	General population	Systemic
	DNEL	Short term Oral	0.11 mg/ kg bw/day	General population	Systemic

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures



SECTION 8: Exposure controls/personal protection

Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. 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: safety glasses with side-shields.				
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.				
	Recommendations : Wear suitable gloves tested to EN374.				
	> 8 hours (breakthrough time): Nitrile gloves. thickness > 0.3 mm				
	Not recommended polyvinyl alcohol (PVA) 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. 				
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 importar aspects of use.				
	Filter type (spray application): A P				
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

<u>Appearance</u>				
Physical state	: Liqui	d.		
Colour	: Vario	ous		
Odour	: Sligh	ıt		
Odour threshold	: Not a	available.		
Melting point/freezing point	: Not a	available.		
Initial boiling point and boiling range	:			
Ingredient name		°C	°F	Method
water		100	212	
Ethyldiglycol		196	384.8	

Flammability : Not available. Lower and upper explosion : Mower: 1.2% Upper: 23.5% limit : Closed cup: >100°C (>212°F) **Flash point** Auto-ignition temperature ŝ, **Ingredient name** °C °F Method **⊑t**hyldiglycol 204 399.2 Date of issue/Date of revision : 15/02/2024 Date of previous issue : 21/02/2023 Version : 3 6/14

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SECTION 9: Physical and chemical properties

2

Decomposition temperature	: Not available.
рН	: 7.5 to 8.5 [Conc. (% w/w): 100%]
Viscosity	: Not available.
Solubility(ies)	:
Not available.	
Solubility in water	: Not available.
Partition coefficient: n-octanol/ water	: Not applicable.

Vapour pressure

	Va	Vapour Pressure at 20°C		V	apour pres	pressure at 50°C
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
water	17.5	2.3				
Ethyldiglycol	0.14	0.019				
Relative density	: Not	available.		·		·
Density	: 1.1	g/cm³				
/apour density	: Not	available.				
Explosive properties	: Not	available.				
Dxidising properties	: Not	available.				
Particle characteristics						
Median particle size	: Not	applicable.				

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	:	No specific data.
10.5 Incompatible materials	:	No specific data.
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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
7,2-benzisothiazol-3(2H)-	LD50 Oral	Rat	1020 mg/kg	-
one reaction mass of: 5-chloro- 2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol- 3-one [EC no. 220-239-6] (3: 1)	LD50 Oral	Rat	53 mg/kg	-
· · · · · · · · · · · · · · · · · · ·	Based on available d	ata, the classification crite	eria are not met.	
Acute toxicity estimates	: 15/02/2024 Date of p	revious issue : 21/02/	2023	Version : 3 7/1

SECTION 11: Toxicological information

Route

ATE value

Not available.

Irritation/Corrosion					
Product/ingredient name	Result	Species	Score	Exposure	Observation
 2-benzisothiazol-3(2H)-one reaction mass of: 5-chloro- 2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol- 3-one [EC no. 220-239-6] (3: 1) 	Skin - Mild irritant Skin - Severe irritant	Human Human	-	48 hours 5 % 0.01 %	-
Conclusion/Summary	: Based on available data, the	classification c	riteria are	not met.	
Sensitisation					
Conclusion/Summary	: Based on available data, the	classification c	riteria are	not met.	
<u>Mutagenicity</u>					
Conclusion/Summary	: Based on available data, the	classification c	riteria are	not met.	
Carcinogenicity					
Conclusion/Summary	: Based on available data, the	classification c	riteria are	not met.	
Reproductive toxicity					
Conclusion/Summary	: Based on available data, the	classification c	riteria are	not met.	
Teratogenicity					
Conclusion/Summary	: Based on available data, the	classification c	riteria are	not met.	
Specific target organ toxicit	<u>y (single exposure)</u>				
Not available.					
Specific target organ toxicit Not available.	<u>y (repeated exposure)</u>				
Aspiration hazard Not available.					
Information on likely routes of exposure	: Not available.				
Potential acute health effects					
Eye contact	: No known significant effects of	or critical hazaı	rds.		
Inhalation	: No known significant effects of	or critical hazaı	rds.		
Skin contact	: No known significant effects of	or critical hazaı	rds.		
Ingestion	: No known significant effects of	or critical hazaı	rds.		
Symptoms related to the physical	sical, chemical and toxicologic	al characteris	<u>stics</u>		
Eye contact	: No specific data.				
Inhalation	: No specific data.				
Skin contact	: No specific data.				
Ingestion	: No specific data.				
Delayed and immediate effect	ts as well as chronic effects fro	om short and	long-tern	<u>n exposure</u>	
Short term exposure					
Potential immediate effects	: Not available.				
Potential delayed effects	: Not available.				
Long term exposure					
			00/0000		

SECTION 11: Toxicological information

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	<u>ects</u>
Not available.	
Conclusion/Summary	: Not available.
General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting propertiesNot available.11.2.2 Other informationNot available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
1,2-benzisothiazol-3(2H)-one	Acute EC50 0.36 mg/l Marine water	Algae - Skeletonema Costatum	72 hours
	Acute EC50 3.7 mg/l	Daphnia - Daphnia Magna	48 hours
	Acute LC50 1.9 mg/l Fresh water	Fish - Onorhynchus Mykiss	96 hours
	Acute NOEC 0.15 mg/l Marine water	Algae - Skeletonema Costatum	72 hours
2-Methyl-1,2-benzisothiazol- 3(2H)-one	Acute EC50 0.22 ppm Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
· · /	Acute EC50 0.92 ppm Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 0.24 ppm Fresh water	Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 0.16 ppm	Fish - Pimephales promelas	32 days

Conclusion/Summary

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

12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum
7,2-benzisothiazol-3(2H)-one	EU	24 % - 28 days		-	-
Conclusion/Summary : This product has not been tested for biodegradation.					
Product/ingredient name	Aquatic half-life		Photolysis	5	Biodegradability
7,2-benzisothiazol-3(2H)-one	-		-		Inherent

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
bumetrizole		548 to 895	High
1,2-benzisothiazol-3(2H)-one		3.2	Low

12.4 Mobility in soil

Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

Date of issue/Date of revision ØPAL 20 - All variants

: 15/0

: 15/02/2024 Date of previous issue

: 21/02/2023

Product/ingredient name	PBT	Р	В	Т	vPvB	vP	vB
adipohydrazide	No	N/A	N/A	No	N/A	N/A	N/A
bumetrizole	No	N/A	No	No	SVHC (Candidate)	Specified	Specified
1,2-benzisothiazol-3(2H)-one	No	N/A	No	No	Ňo	N/A	No
reaction mass of: 5-chloro- 2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol- 3-one [EC no. 220-239-6] (3: 1)	No	N/A	N/A	No	N/A	N/A	N/A
2-Methyl-1,2-benzisothiazol- 3(2H)-one	No	N/A	N/A	No	N/A	N/A	N/A

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

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.
European waste catalogue (EWC)	: 080112, 200128
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. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

: 21/02/2023

SECTION 14: Transport information

14.6 Special	precautions for
user	

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

14.7 Maritime 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 <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorisation

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Annex XIV
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None of the components are listed.

Substances of very high concern

Intrinsic property	Ingredient name			Date of revision
₩ PvB	bumetrizole	Candidate	D(2023) 8585-DC	-

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

Substances, mixtures and articles	
Labelling :	
Other EU regulations	
Industrial emissions : Not listed (integrated pollution prevention and control) - Air	
Industrial emissions : Not listed (integrated pollution prevention and control) - Water	
Explosive precursors : Not applicable.	
Ozone depleting substances (1005/2009/EU) Not listed.	
Prior Informed Consent (PIC) (649/2012/EU) Not listed.	
Persistent Organic Pollutants Not listed.	
Seveso Directive This product is not controlled under the Seveso Directive. International regulations Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed.	<u>S</u>
Montreal Protocol Not listed.	
Stockholm Convention on Persistent Organic Pollutants Not listed.	
Rotterdam Convention on Prior Informed Consent (PIC) Not listed.	
Pote of issue (Pote of multiple issue issue)	

Date of issue/Date of revision

SECTION 15: Regulatory information

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

15.2	Chemical	safety
asse	ssment	

: 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 an	, , , , , , , , , , , , , , , , , , ,
acronyms	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.
	1272/2008]
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No Effect Level
	EUH statement = 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 according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

Full text of abbreviated H statements

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.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Full text of classifications [CLP/GHS]

Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - 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
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
Date of issue/ Date of	: 15/02/2024
revision	
Date of previous issue	e : 21/02/2023
Manalan	

Notice to reader

SECTION 16: Other information

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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