SAFETY DATA SHEET



OPAL 55 - All variants

SECTION 1: Identific undertaking	ation of the substance/mixture and of the company/
1.1 Product identifier	
Product name	: ØPAL 55 - All variants
1.2 Relevant identified uses Product description	of the substance or mixture and uses advised against : Lacquers.
1.3 Details of the supplier of Teknos Group Oy, Takkatie	t <mark>he safety data sheet</mark> 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.
e-mail address of person responsible for this SDS	: prod-safe@teknos.com
National contact	
Teknos (UK) Limited, 7 Long	lands Rd, Bicester, Oxfordshire OX26 5AH, United Kingdom. Tel. +44 (0) 1869 208005.
1.4 Emergency telephone nu	
Telephone number	: Teknos UK Limited; TEL: +44 1608 683 494; Opening hours: MON-FRI, 7am – 6pm.
SECTION 2: Hazards	s identification
2.1 Classification of the sub	stance or mixture
Product definition	: Mixture
Classification according to Skin Sens. 1, H317	Regulation (EC) No. 1272/2008 [CLP/GHS]
The product is classified as h	nazardous according to Regulation (EC) 1272/2008 as amended.
See Section 16 for the full te	kt of the H statements declared above.
See Section 11 for more deta	ailed information on health effects and symptoms.
2.2 Label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	: ₩317 - May cause an allergic skin reaction.
Precautionary statements	
General	: Not applicable.
Prevention	 P280 - Wear protective gloves. P261 - Avoid breathing vapour. P272 - Contaminated work clothing should not be allowed out of the workplace.
Response	 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P333 + P313 - If skin irritation or rash occurs: Get medical attention.
Storage	: Not applicable.
Disposal	 P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
ØPAL 55 - All variants	Label No :26942

Date of issue/Date of revision

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SECTION 2: Hazards identification

Hazardous ingredients	 ?,2-benzisothiazol-3(2H)-one 2-methyl-2H-isothiazol-3-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)
Supplemental label elements	 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	:
2.2 Other hererde	

2.3 Other hazards Other hazards which do : None known.

not result in classification

SECTION 3: Composition/information on ingredients

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Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
7,2-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 (M=1)	[1]
2-methyl-2H-isothiazol-3-one	EC: 220-239-6 CAS: 2682-20-4	<0.01	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) EUH071	[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, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071	[1]
			See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. <u>Type</u>

SECTION 3: Composition/information on ingredients

[1] Substance classified with a health or environmental hazard

- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

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

SECTION 4: First aid measures

4.1 Description of first aid n	neasures
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 if irritation occurs.
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 if adverse health effects persist or are severe. 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.
Ingestion	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 if adverse health effects persist or are severe. 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 gloves.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/sy	<u>/mptoms</u>
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Koverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
4.3 Indication of any imm	nediate medical attention and special treatment needed
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Spacific 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 f	ron	n the substance or mixture
Hazards from the substance or mixture	1	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	:	In a fire, decomposition may produce toxic gases/fumes.
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.
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. 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	ve equipment and emergency procedures	
For non-emergency personnel	b action shall be taken involving any personal risk or without suitable training. vacuate surrounding areas. Keep unnecessary and unprotected personnel fr itering. Do not touch or walk through spilt material. Avoid breathing vapour of ist. Provide adequate ventilation. Wear appropriate respirator when ventilati adequate. Put on appropriate personal protective equipment.	om or
For emergency responders	specialised clothing is required to deal with the spillage, take note of any formation in Section 8 on suitable and unsuitable materials. See also the formation in "For non-emergency personnel".	
6.2 Environmental precautions	void dispersal of spilt material and runoff and contact with soil, waterways, dra nd sewers. Inform the relevant authorities if the product has caused environn ollution (sewers, waterways, soil or air).	
6.3 Methods and material for	ainment and cleaning up	
Small spill	op leak if without risk. Move containers from spill area. Dilute with water and o if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry aterial and place in an appropriate waste disposal container. Dispose of via a ensed waste disposal contractor.	•
Large spill	op leak if without risk. Move containers from spill area. Approach the releas om upwind. Prevent entry into sewers, water courses, basements or confined eas. Wash spillages into an effluent treatment plant or proceed as follows. Ontain and collect spillage with non-combustible, absorbent material e.g. sand arth, vermiculite or diatomaceous earth and place in container for disposal cording to local regulations. Dispose of via a licensed waste disposal contra ontaminated absorbent material may pose the same hazard as the spilt produ-	d, ctor.
6.4 Reference to other sections	ee Section 1 for emergency contact information. ee Section 8 for information on appropriate personal protective equipment. ee 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	: Fut 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 ingest. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
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.

SECTION 8: Exposu	re controls/personal protection
Industrial sector specific solutions	: Not available.
Recommendations	: Not available.
7.3 Specific end use(s)	

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

Occupational exposure limits

No exposure limit value known.

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 monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

SECTION 8: Exposure controls/personal protection

	re controis/personal protection
Appropriate engineering controls	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Individual protection meas	<u>ures</u>
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: 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. 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. > 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. Refer to European Standard EN 14605 for further information on material and design requirements and test methods.
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.
	spray application Filter type: 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

9.1 Information on basic physic	cal and chemical properties
<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Various
Odour	: Slight
Odour threshold	: Not available.
рН	: 🔽 - 🔽 .9
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flash point	: Closed cup: >60°C
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.

:26/10/2018

SECTION 9: Physical and chemical properties

Upper/lower flammability or explosive limits:Cower: 1.2% Upper: 73%Vapour pressure Vapour density:Not available.Vapour density:Not available.Density:1kg/l
Vapour density: Not available.
Density : 1 kg/l
Solubility(ies) : Not available.
Partition coefficient: n-octanol/ : Not available. water
Auto-ignition temperature : Not available.
Decomposition temperature : Not available.
Viscosity : Not available.
Explosive properties : Not available.
Oxidising properties : Not available.
9.2 Other information
VOC : 3 9 g/l
Solubility in water : Not available.
No additional information.

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 toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
,2-benzisothiazol-3(2H)-	LD50 Oral	Rat	1020 mg/kg	-
2-methyl-2H-isothiazol- 3-one	LC50 Inhalation Dusts and mists	Rat	0.11 mg/l	4 hours
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	-

Conclusion/Summary

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

Acute toxicity estimates

Not available.

Irritation/Corrosion

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Product/ingredient name	Result	Species	Score	Exposure	Observation
2-benzisothiazol-3(2H)-one	e Skin - Mild irritant	Human	-	48 hours 5	-
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 - Severe irritant	Human	-	Percent 0.01 Percent	-
Conclusion/Summary	: Based on available data, t	he classification c	riteria are	e not met.	
Sensitisation					
Conclusion/Summary	: May cause an allergic skir	n reaction.			
<u>Mutagenicity</u>					
Conclusion/Summary <u>Carcinogenicity</u>	: Based on available data, t	he classification c	riteria are	e not met.	
Conclusion/Summary	: Based on available data, t	he classification o	riteria are	e not met.	
Reproductive toxicity					
Conclusion/Summary	: Based on available data, t	he classification c	riteria are	e not met.	
Teratogenicity					
Conclusion/Summary	: Based on available data, t	he classification c	riteria are	e not met.	
<u>Specific target organ toxici</u>	<u>ty (single exposure)</u>				
Not available.					
Aspiration hazard Not available.					
	: Not available.				
Not available.					
Not available. formation on likely routes f exposure		cts or critical haza	rds.		
Not available. formation on likely routes f exposure otential acute health effects	2				
Not available. formation on likely routes f exposure otential acute health effects Eye contact	 No known significant effect 	cts or critical haza			
Not available. formation on likely routes f exposure otential acute health effects Eye contact Inhalation	 No known significant effect No known significant effect 	cts or critical haza n reaction.	rds.		
Not available. formation on likely routes f exposure <u>otential acute health effects</u> Eye contact Inhalation Skin contact Ingestion	 No known significant effect No known significant effect May cause an allergic skir No known significant effect 	ets or critical haza n reaction. ets or critical haza	rds. rds.		
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Not available. formation on likely routes f exposure otential acute health effects Eye contact Inhalation Skin contact Ingestion ymptoms related to the phy Eye contact Inhalation Skin contact Inhalation Skin contact Inhalation Skin contact Inhalation Skin contact Inhalation Skin contact Inhalation Skin contact Inhalation Skin contact Information Potential immediate	 No known significant effect No known significant effect May cause an allergic skir No known significant effect Vsical, chemical and toxicolo No specific data. No specific data. Adverse symptoms may in irritation redness No specific data. 	ets or critical haza n reaction. ets or critical haza ogical characteris nclude the followir	rds. rds. s <mark>tics</mark> ıg:	<u>n exposure</u>	
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:26/10/2018

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SECTION 11: Toxicological information

Potential delayed effects : Not available. Potential chronic health effects Not available. **Conclusion/Summary** : Not available. : Ønce sensitized, a severe allergic reaction may occur when subsequently exposed General to very low levels. Carcinogenicity : No known significant effects or critical hazards. : No known significant effects or critical hazards. **Mutagenicity** : No known significant effects or critical hazards. **Teratogenicity** : No known significant effects or critical hazards. **Developmental effects** : No known significant effects or critical hazards. **Fertility effects**

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
7,2-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
2-methyl-2H-isothiazol-3-one	Acute NOEC 0.15 mg/l Marine water	Algae - Skeletonema Costatum	72 hours
	Acute EC50 0.18 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.07 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
Conclusion/Summary	: Based on available data, the classific	ation 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 ha	s not been tested for	biodegrada	ation.	•
Product/ingredient name	Aquatic half-life		Photolysis	5	Biodegradability
7,2-benzisothiazol-3(2H)-one	-		-		Inherent

12.3 Bioaccumulative potential

Product/ingredi	ent name	LogP _{ow}	BCF	Potential
7,2-benzisothiazo	l-3(2H)-one	-	3.2	low

12.4 Mobility in soil	
Soil/water partition coefficient (K _{oc})	: Not available.
Mobility	: Not available.
	D D

12.5 Results of PBT	and VPVB assessment
PBT	: Not applicable.

vB	: Not applicable.

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

vP

SECTION 13: Disposal considerations

13.1 Waste treatment methods	s	
Product		
Methods of disposal	:	The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	÷	The classification of the product may meet the criteria for a hazardous waste.
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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of 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	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.
Additional information	-	-	-	-

user

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

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : 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 EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

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None of the components are listed. Annex XVII - Restrictions : on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Other EU regulations Europe inventory : Not determined. Ozone depleting substances (1005/2009/EU) Not listed. Prior Informed Consent (PIC) (649/2012/EU) 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. Montreal Protocol (Annexes A, B, C, E) Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. Stockholm convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. Stectional safety : This product contains substances for which Chemical Safe	SECTION 15: Regu	latory information
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: ATE = Acute Toxicity Estimate **Abbreviations and** CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. acronyms 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification Justification Skin Sens. 1, H317 Calculation method

Full text of abbreviated H statements

SECTION 16: Other information	
	Toxic if swallowed. Harmful if swallowed. Fatal in contact with skin. Toxic in contact with skin. Causes severe skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Fatal if inhaled. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
CLP/GHS]	
	ACUTE TOXICITY (dermal) - Category 2 ACUTE TOXICITY (inhalation) - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (dermal) - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 Corrosive to the respiratory tract. SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1B SKIN CORROSION/IRRITATION - Category 1C SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1
: 28/01/2020	
: 26/10/2018 : 3 OPAL 55	
-	: 26/10/2018 : 3

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.