Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

atco[®] SAFETY DATA SHEET

Resiflow Chemical Grade - Curing Agent

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

- **1.1 Product identifier**
- : Resiflow Chemical Grade Curing Agent
- Product name Product description Product type UFI
- : Floorcoating.
- : Liquid.
 - : QNE0-C0DU-Q00V-KVVT

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

Identified uses		
Consumer use Professional use Industrial use		
Uses advised against	Reason	
None identified.	-	

1.3 Details of the supplier of the safety data sheet

Watco UK Limited
Eastgate Court
195-205 High Street
Guildford
Surrey
GU1 3EH
Telephone no.: +44 (0) 1483 425000 (08:00 - 18:00)
Fax no.: +44 (0) 1483 428888
e-mail address of person : rpmeurohas@rustoleum.eu responsible for this SDS

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number Ireland	: 809 2166 Available 8am to 10pm 7 days per week
<u>Supplier</u>	
Telephone number Ireland	: +353 19014670
Hours of operation	: 24/7

SECTION 2: Hazards identification

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Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Resiflow Chemical Grade - Curing Agent

SECTION 2: Hazards identification

The product is classified as hazardous according to Regulation (EC) 1272/2008 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

Hazard pictograms		
Signal word	: Danger	
Hazard statements	 H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H373 - May cause damage to organs through prolonged or repeated exposure. H410 - Very toxic to aquatic life with long lasting effects. 	
Precautionary statements		
General	 P103 - Read carefully and follow all instructions. P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand. 	
Prevention	 P280 - Wear protective gloves, protective clothing and eye or face protection. P273 - Avoid release to the environment. P260 - Do not breathe vapour. 	
Response	 P391 - Collect spillage. P301 + P310, P330, P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353, P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENT or doctor. P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for severa minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. 	
Storage	: P405 - Store locked up.	
Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.	
Hazardous ingredients	 Formaldehyde, polymer with benzenamine, hydrogenated m-fenilenbis(methylamine) 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane, reaction products with ethylenediamine 	
Supplemental label elements	: Not applicable.	
Supplemental label elements : Detergents - Regulation (EC) No 907/2006	: Not applicable.	
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.	
Special packaging requiren	ents	
Containers to be fitted with child-resistant fastenings	: Yes, applicable.	

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SECTION 2: Hazards identification

Tactile warning of danger : Yes, 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 : None known. not result in classification

SECTION 3: Composition/information on ingredients

3.2	Mixtures
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Ireland

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
benzyl alcohol	REACH #: 01-2119492630-38 EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5	≥25 - ≤50	Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Irrit. 2, H319	ATE [Oral] = 1620 mg/kg ATE [Inhalation (dusts and mists)] = 4,178 mg/l	[1]
Formaldehyde, polymer with benzenamine, hydrogenated	CAS: 135108-88-2 List #: 603-894-6	≥10 - ≤25	Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Chronic 3, H412	ATE [Oral] = 100 mg/kg	[1]
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis (methylamine)	EC: 500-137-0 CAS: 57214-10-5	≥10 - ≤25	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
m-fenilenbis(methylamine)	REACH #: 01-2119480150-50 EC: 216-032-5 CAS: 1477-55-0 Index: 216-032-5	≤10	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412	ATE [Oral] = 930 mg/kg ATE [Inhalation (gases)] = 4500 ppm	[1] [2]
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane, reaction products with ethylenediamine	REACH #: 01-2120766318-46 EC: 500-253-1 CAS: 72480-18-3	≤5	Acute Tox. 4, H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 500 mg/kg M [Acute] = 1 M [Chronic] = 1	[1]
salicylic acid	REACH #: 01-2119486984-17 EC: 200-712-3 CAS: 69-72-7	≤3	Acute Tox. 4, H302 Eye Dam. 1, H318 Repr. 2, H361d See Section 16 for	ATE [Oral] = 891 mg/kg	[1]
			the full text of the H statements declared above.		

Resiflow Chemical Grade - Curing Agent

SECTION 3: Composition/information on ingredients

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.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

List numbers have no legal significance.

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

SECTION 4: First aid measures

4.1 Description of first aid measures		
Eve contact	: Get medical a	

Eye contact	:	Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	:	Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	:	Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important syn Over-exposure signs	mptoms and effects, both acute and delayed <u>/symptoms</u>
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.

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Resiflow Chemical Grade - Curing Agent	
SECTION 4: First aid	l measures
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
4.3 Indication of any immed	ate 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: Firefigh	ting 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	rom 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. This material is very 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 nitrogen oxides halogenated compounds
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	: Fire-fighters should wear appropriate protective equipment and self-contained

breathing apparatus (SCBA) with a full face-piece operated in positive pressure equipment for fire-fighters 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, 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. Do not breathe 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".	

SECTION 6: Accidental release measures

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 environmenta 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. Dilute with water and more 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. 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 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. Contaminated absorbent material may pose the same hazard as the spill product.
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.

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. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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. Store locked up. 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. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds

Danger criteria

	Notification and MAPP threshold	Safety report threshold
E1	100 tonne	200 tonne

7.3 Specific end use(s)

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SECTION 7: Handling and storage

Recommendations

Not available.Not available.

Industrial sector specific solutions

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

Occupational exposure limits

Ireland

Product/ingredient name	Exposure limit values	
m-fenilenbis(methylamine)	NAOSH (Ireland, 8/2018). OELV-8hr: 0,1 mg/m ³ 8 hours.	
procedures atmosphere of the ventil protective e the followin the assess limit values atmosphere of exposure (Workplace for the mea	Let contains ingredients with exposure limits, personal, workplace e or biological monitoring may be required to determine the effectiveness lation or other control measures and/or the necessity to use respiratory equipment. Reference should be made to monitoring standards, such as g: European Standard EN 689 (Workplace atmospheres - Guidance for ment of exposure by inhalation to chemical agents for comparison with and measurement strategy) European Standard EN 14042 (Workplace es - Guide for the application and use of procedures for the assessment e to chemical and biological agents) European Standard EN 482 e atmospheres - General requirements for the performance of procedures asurement of chemical agents) Reference to national guidance for methods for the determination of hazardous substances will also be	

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
benzyl alcohol	DNEL	Short term Dermal	47 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	450 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	9,5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	90 mg/m³	Workers	Systemic
	DNEL	Short term Dermal	28,5 mg/ kg bw/day	General population [Consumers]	Systemic
	DNEL	Short term Inhalation	40,55 mg/ m³	General population [Consumers]	Systemic
	DNEL	Short term Oral	25 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Dermal	5,7 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Inhalation	8,11 mg/m ³		Systemic
	DNEL	Long term Oral	5 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Short term Dermal	20 mg/kg	General	Systemic

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ECTION 8: Exposure co	ontrols/m	ersonal prote	ction		
				nonulation	
	DNEL	Long term Oral	4 mg/kg	population General population	Systemic
	DNEL	Long term Dermal	8 mg/kg	Workers	Systemic
	DNEL	Short term Oral	20 mg/kg	General population	Systemic
	DNEL	Long term Dermal	4 mg/kg	General population	Systemic
	DNEL	Short term Inhalation	27 mg/m³	General population	Systemic
	DNEL	Long term Inhalation	5,4 mg/m³	General	Systemic
	DNEL	Long term Inhalation	22 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	110 mg/m ³	Workers	Systemic
	DNEL	Short term Dermal	40 mg/kg	Workers	Systemic
Formaldehyde, polymer with benzenamine, hydrogenated	DNEL	Long term Dermal	2 mg/kg	Workers	Systemic
	DNEL	Short term Inhalation	2 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	0,2 mg/m³	Workers	Systemic
	DNEL	Short term Dermal	6 mg/kg	Workers	Systemic
salicylic acid	DNEL	Long term Inhalation	5 mg/m ³	Workers	Systemic
	DNEL	Short term Oral	4 mg/kg	General population	Systemic
	DNEL	Long term Dermal	1 mg/kg	General population	Systemic
	DNEL	Long term Oral	1 mg/kg	General population	Systemic
	DNEL DNEL	Long term Dermal Long term Inhalation	2,3 mg/kg 4 mg/m³	Workers General population	Systemic Systemic
	DNEL	Long term Inhalation	5 mg/m³	Workers	Local

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
benzyl alcohol	Fresh water	1 mg/l	Assessment Factors
-	Marine	0,1 mg/l	Assessment Factors
	Fresh water sediment	5,27 mg/kg	Assessment Factors
	Marine water sediment	0,527 mg/kg	Assessment Factors
	Soil	0,456 mg/kg	Assessment Factors
	Sewage Treatment Plant	39 mg/l	Assessment Factors
	Fresh water	2,3 mg/l	-
	Sewage Treatment Plant	39 mg/l	-
	Fresh water sediment	5,27 mg/kg	-
	Soil	0,456 mg/kg	-
	Marine water sediment	0,527 mg/kg	-
	Fresh water	1 mg/l	-
	Marine water	0,1 mg/l	-
Formaldehyde, polymer with benzenamine, hydrogenated	Fresh water	0,015 mg/l	-
, ,	Marine water sediment	1,5 mg/kg	-
	Fresh water sediment	15 mg/kg	-
	Marine water	0,002 mg/l	-
	Sewage Treatment	1,9 mg/l	-
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SECTION 8: Exposure	controls/personal protection	on	
	Plant		
	Soil	1,8 mg/kg	-
salicylic acid	Fresh water sediment	1,42 mg/kg	-
	Marine water sediment	0,142 mg/kg	-
	Fresh water	0,2 mg/l	-
	Marine water	0,02 mg/l	-
	Sewage Treatment	162 mg/l	-
	Plant		
	Soil	0,166 mg/kg	-

8.2 Exposure controls	
Appropriate engineering controls	 If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
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. Use eye protection according to EN 166. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended: safety glasses with side-shields. (EN 166)

Skin protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

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. > 8 hours (breakthrough time): > 8 hours (breakthrough time): nitrile rubber or butyl rubber (0.6 mm) gloves
	The recommendation for the type or types of glove to use when handling this product is based on information from the following source: EN374. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Body protection	 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. Recommended: Wear overalls or long sleeved shirt. (EN 467)

SECTION 8: Exposure controls/personal protection

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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. Recommended: organic vapour (Type A) and particulate filter (as filter combination A-P2) (EN 141)
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

Physical state	:	Liquid.
Colour	:	Yellow. Colourless.
Odour	:	Not available.
Odour threshold	:	Not available.
Molting point/freezing point		Not available.
Melting point/freezing point	- 1	
Initial boiling point and boiling range	ł	Not relevant due to nature of the product.
Flammability (solid, gas)	1	Not available.
Lower and upper explosion limit	:	Not available.
Flash point	:	Closed cup: >104°C (>219,2°F) [Literature]
Auto-ignition temperature	:	Not relevant due to nature of the product.
Decomposition temperature	:	Not available.
рН	:	Not applicable.
pH : Justification	:	Product is non-soluble (in water).
Viscosity	:	Not available.
Solubility(ies)	:	
Not available.		
Solubility in water	:	Not available.
Miscible with water	:	No.
Partition coefficient: n-octanol/ water	:	Not applicable.

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Vapour pressure

	Va	Vapour Pressure at 20°C		Va	apour pres	pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method		
benzyl alcohol	0,05	0,0067						
Evaporation rate	: Not	available.				I		
Relative density	: 1,05	5 to 1,1						
Density	: 1 to	1,06 g/cm ³	[20°C (68°F)] [DI	N 53217]				
/apour density	: Not	available.						
Explosive properties	: Not	available.						
ate of issue/Date of revision	: 30/07/2	2022 Date o	f previous issue	: 30/07/2022		Version : 3.01	10/19	

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SECTION 9: Physical and chemical properties

Oxidising properties
Particle characteristics
Median particle size

: Not available.

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** : Under normal conditions of storage and use, hazardous reactions will not occur. hazardous reactions 10.4 Conditions to avoid : No specific data. **10.5 Incompatible materials** : No specific data. **10.6 Hazardous** : Under normal conditions of storage and use, hazardous decomposition products 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
benzyl alcohol	LC50 Inhalation Dusts and mists	Rat	4,178 mg/l	4 hours
	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	1620 mg/kg	-
	LD50 Oral	Rat	1660 mg/kg	-
m-fenilenbis(methylamine)	LC50 Inhalation Dusts and mists	Rat	1,34 mg/l	4 hours
	LC50 Inhalation Gas.	Rat	700 ppm	1 hours
	LD50 Dermal	Rabbit	2 g/kg	-
	LD50 Oral	Rat	930 mg/kg	-
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane, reaction	LD50 Oral	Rabbit	300 to 2000 mg/ kg	-
products with ethylenediamine				
salicylic acid	LC50 Inhalation Dusts and mists	Rat	0,9 g/m³	4 hours
	LD50 Oral	Rat	891 mg/kg	-

Conclusion/Summary

: Harmful if swallowed.

Acute toxicity estimates

SECTION 11: Toxicological information

Decide of the second back of second	One I for all	Damas	Induction Com-	Labor Lations	Induction Com-
Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Resiflow Chemical Grade - Curing Agent	500	N/A	N/A	N/A	N/A
benzyl alcohol	1620	N/A	N/A	N/A	4,178
Formaldehyde, polymer with benzenamine, hydrogenated	100	N/A	N/A	N/A	N/A
m-fenilenbis(methylamine)	930	N/A	4500	N/A	1,34
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with ethylenediamine	500	N/A	N/A	N/A	N/A
salicylic acid	891	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
benzyl alcohol	Eyes - Irritant	Rabbit	-	-	-
	Skin - Moderate irritant	Pig	-	100 Percent	-
m-fenilenbis(methylamine)	Eyes - Severe irritant	Rabbit	-	24 hours 50	-
				Micrograms	
	Skin - Severe irritant	Rabbit	-	24 hours 750	-
				Micrograms	

Conclusion/Summary

Skin	: Causes severe skin bur	Causes severe skin burns and eye damage.					
Eyes	: Causes serious eye dar	Causes serious eye damage.					
Respiratory	: Causes damage to orga	Causes damage to organs through prolonged or repeated exposure if inhaled.					
Sensitisation							
Conclusion/Summary							
Skin	: May cause an allergic s	kin reaction.					
Respiratory	: Based on available data, the classification criteria are not met.						
<u>Mutagenicity</u>							
Conclusion/Summary	: Based on available data	, the classification cr	iteria are not met.				
Carcinogenicity							
Product/ingredient name	Result	Species	Dose	Exposure			
henzyl alcohol	Negative - Oral - TD	Rat		103 weeks: 5			

• •		•		•
benzyl alcohol	Negative - Oral - TD	Rat	-	103 weeks; 5
				days per week

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

Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Developmental toxin	Species	Dose	Exposure
Formaldehyde, polymer with benzenamine, hydrogenated		-	-		Oral: 15 mg/kg	28 days

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

Teratogenicity

Product/ingredient name	Result	Species	Dose	Exposure
benzyl alcohol	Negative - Route of exposure unreported	Mouse - Female	550 mg/kg	-

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

Specific target organ toxicity (single exposure)

Not available.

SECTION 11: Toxicological information

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Resiflow Chemical Grade - Curing Agent Formaldehyde, polymer with benzenamine, hydrogenated	Category 2 Category 2	-	-

Aspiration hazard

Not available.

Information on likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact	:	Causes serious eye damage.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	Causes severe burns. May cause an allergic skin reaction.
Ingestion	:	Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains

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

<u>Short term exposure</u>		
Potential immediate effects	Not available.	
Potential delayed effects	Not available.	
Long term exposure		
Potential immediate effects	Not available.	
Potential delayed effects	Not available.	
Potential chronic health effe	<u>is</u>	
Not available.		
Conclusion/Summary	Based on available data, the classification criteria are not met.	
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.	

11.2 Information on other hazards

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Date t		Date of	

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SECTION 11: Toxicological information

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
benzyl alcohol	Acute EC50 770 mg/l	Algae	72 hours
,	Acute LC50 646 mg/l	Fish - Leuciscus idus	48 hours
	Acute LC50 460000 μg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Acute NOEC 310 mg/l	Algae	72 hours
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis (methylamine)	Acute LC50 0,5 to 1 mg/l	Fish	96 hours
m-fenilenbis(methylamine)	Acute EC50 10 to 100 mg/l	Daphnia spec.	48 hours
	Acute LC50 >100 mg/l	Fish	96 hours
salicylic acid	Acute EC50 213,9 mg/l	Crustaceans - Photobacterium Phosphoreum	24 hours
	Acute EC50 105 mg/l	Daphnia spec.	48 hours
	Acute LC50 90 mg/l	Fish	48 hours
	Chronic NOEC 5,6 mg/l Fresh water	Daphnia spec Daphnia magna - Neonate	21 days

Conclusion/Summary

: Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum
benzyl alcohol salicylic acid	OECD 301A OECD 301C	96 % - Readily - 21 88,1 % - Readily - 1		- 0,95 _{gO2} /g DOC	-
Conclusion/Summary		lable data, the classifing the classific relation is a classific relation.	ication crite	ria are not met. Th	is product has not
Product/ingredient name	Aquatic half-life		Photolysi	S	Biodegradability
benzyl alcohol salicylic acid	-		-		Readily Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
benzyl alcohol	0,87	2,69	low
m-fenilenbis(methylamine)	0,18		low
salicylic acid	2.21 to 2.26		low

12.4 Mobility in soil

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

12.5 Results of PBT and vPvB assessment

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SECTION 12: Ecological information

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance.

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.
Llamanda va vuasta	

Hazardous waste : Yes. European waste catalogue (EWC)

<u>Luropean waste catalogue (LWO)</u>			
Waste code	Waste designation		
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances		
Special precautions	This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. 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	UN2735	UN2735	UN2735	UN2735
14.2 UN proper shipping name	Amines, liquid, corrosive, N.O.S. (m- fenilenbis (methylamine))	Amines, liquid, corrosive, N.O.S. (m- fenilenbis (methylamine))	Amines, liquid, corrosive, N.O.S. (m- fenilenbis (methylamine)). Marine pollutant (Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis (methylamine))	Amines, liquid, corrosive, N.O.S. (m- fenilenbis (methylamine))
14.3 Transport hazard class(es)	8	8		8
14.4 Packing group	111	111	111	111
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SECTION 14: Transport information				
Additional information	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. <u>Limited quantity</u> : 5L <u>Tunnel code</u> : (E)	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. <u>Emergency</u> <u>schedules</u> F-A; <u>S-B</u> <u>Remarks</u> : ≤ 5L: Limited Quantity - IMDG 3.4	The environmentally hazardous substance mark may appear if required by other transportation regulations. Quantity limitation Passenger and Cargo Aircraft: 5 L. Packaging instructions: 852. Cargo Aircraft Only: 60 L. Packaging instructions: 856. Limited Quantities - Passenger Aircraft: 1 L. Packaging instructions: Y 841.

14.6 Special precautions for	:	Transport within user's premises: always transport in closed containers that are
user		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	: Not available.
according to IMO	
instruments	

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
None of the components are listed.
Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
Other EU regulations
VOC for Ready-for-Use Mixture: IIA/j. Two-pack reactive performance coatings for specific end use such as floors. EU limit value for this product : 500g/l (2010.) This product contains a maximum of 35 g/l VOC.
Industrial emissions : Not listed (integrated pollution prevention and control) - Air

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SECTION 15: Reg	ulatory information	tion			
Industrial emissions (integrated pollution prevention and control Water	: Not listed				
Ozone depleting substances (1005/2009/EC) Not listed.					
Prior Informed Consen Not listed.	Prior Informed Consent (PIC) (649/2012/EC) Not listed.				
Persistent Organic Pol Not listed.	<u>lutants (850/2004/EC)</u>				
Seveso Directive This product is controlled Danger criteria	d under the Seveso Dir	ective.			
Category E1					
lreland					
Biocidal products regulation	: Not applicable.				
References	619 of 2001) Safety, Health a 2001) Safety, Health a Conforms to R Regulation (EU REGULATION COUNCIL of 9	Safety, Health and Welfare at Work (Carcinogens) Regulations 2001 (S.I. No. 78 of			
International regulation	<u>IS</u>				
Stockholm Convention	on Persistent Organi	<u>c Pollutants</u>			
List name		Ingredient name	Status		
Not listed.					
Rotterdam Convention	on Prior Informed Co	nsent (PIC)	I		
Not listed.					

UNECE Aarhus Protocol on POPs and Heavy Metals

List name			Ingredient name		Sta	atus	
Not listed.							
CN code : 3209 90 00	00						
Inventory list							
Australia	:	All components are listed or exempted.					
Canada	:	All components are listed or exempted.					
China	:	All components are listed or exempted.					
Eurasian Economic Union	:	Russian Federation inventory: Not determined.					
Japan	:	Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.					
New Zealand	:	All components are listed or exempted.					
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SECTION 15: Regulatory information

•	-
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: At least one component is not listed.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: All components are active or exempted.
Viet Nam	: Not determined.
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 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]

Classification	Justification		
Acute Tox. 4, H302	Expert judgment		
Skin Corr. 1C, H314	Expert judgment		
Eye Dam. 1, H318	Expert judgment		
Skin Sens. 1, H317	Expert judgment		
STOT RE 2, H373	Expert judgment		
Aquatic Acute 1, H400	Expert judgment		
Aquatic Chronic 1, H410	Expert judgment		

Full text of abbreviated H statements

Ireland

Full text of abbreviated H statements	: H301 H302 H314 H317 H318 H319 H332 H361d H373 H400	Toxic if swallowed. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. Harmful if inhaled. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life.
	LI400	I
	H410	Very toxic to aquatic life with long lasting effects.
	H412	Harmful to aquatic life with long lasting effects.

Resiflow Chemical Grade - Curing Agent

SECTION 16: Other information			
Full text of classifications [CLP/GHS]	:	Acute Tox. 4	ACUTE TOXICITY - Category 3 ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 REPRODUCTIVE TOXICITY - Category 2 SKIN CORROSION/IRRITATION - Category 1B SKIN CORROSION/IRRITATION - Category 1C SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
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Date of issue/ Date of revision	:	30/07/2022	
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Version	:	3.01	
Notice to reader			

IMPORTANT NOTE: The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information contained in this data sheet (as may be amended from time to time) is not intended to be exhaustive and is presented in good faith and believed to be correct as of the date on which it is prepared. It is the user's responsibility to verify that this data sheet is current prior to using the product to which it relates. Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where those purposes are other than as specifically recommended in this safety data sheet, then the user uses the product at their own risk.

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.