# **SAFETY DATA SHEET**

Date of issue/Date of revision

SECTION 1: Identification of the substance/mixture and of the company/ undertaking 1.1 Product identifier **Product name** : TEMAFLOOR 402M HARDENER : SDS-FI80024 Product code Other means of identification SKU-710014500 1.2 Relevant identified uses of the substance or mixture and uses advised against **Product use** : Industrial applications, Professional applications. Use of the substance/ : Hardener. mixture **Uses advised against** : Product is not intended, labelled or packaged for consumer use. 1.3 Details of the supplier of the safety data sheet Tikkurila Ovj P.O. Box 53 FI-01301 VANTAA **FINLAND** Tel. +358 20 191 2000

: 6 May 2024

e-mail address of person : Product.Stewardship.EMEA@ppg.com responsible for this SDS

#### **1.4 Emergency telephone number**

**Supplier** 

Tikkurila Oyj +358 20 191 2000 (GMT +2) Mon-Fri 8-16

### **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]

 Acute Tox. 4, H302

 Skin Corr. 1B, H314

 Eye Dam. 1, H318

 Skin Sens. 1, H317

 Aquatic Chronic 2, H411

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.



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### **SECTION 2: Hazards identification**

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### 2.2 Label elements

Hazard pictograms



Signal word	: Danger
Hazard statements	<ul> <li>Harmful if swallowed.</li> <li>Causes severe skin burns and eye damage.</li> <li>May cause an allergic skin reaction.</li> <li>Toxic to aquatic life with long lasting effects.</li> </ul>
Prevention	: Wear protective gloves, protective clothing and eye or face protection. Avoid release to the environment.
Response	: Collect spillage. IF INHALED: Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor.
Storage	: Not applicable.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
	P280, P273, P391, P304 + P310, P301 + P310, P501
Hazardous ingredients	<ul> <li>Propenenitrile reaction products with ethylenediamine, hydrogenated, reaction products with benzaldehyde, diethylenetriamine and triethylenetetramine, hydrogenated Formaldehyde, oligomeric reaction products with phenol 1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.</li> <li>3-aminopropyldiethylamine</li> </ul>
Supplemental label elements	: 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 requirem	ients
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB	: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	: Contains a substance that may emit formaldehyde if stored beyond its shelf life and/or during cure at curing temperatures greater than 60C/140F.

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

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	% by weight	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
Propenenitrile reaction products with ethylenediamine, hydrogenated, reaction products with benzaldehyde, diethylenetriamine and triethylenetetramine, hydrogenated	EC: 630-554-4 CAS: 1173092-74-4	≥50 - ≤75	Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317	ATE [Oral] = 500 mg/ kg	[1]
Formaldehyde, oligomeric reaction products with phenol	EC: Polymer CAS: 9003-35-4	≥10 - <20	Eye Irrit. 2, H319 Skin Sens. 1B, H317 STOT SE 3, H335	-	[1]
1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.	CAS: 404362-22-7	≥5.0 - <10	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT RE 2, H373 (heart, skeletal muscle, small intestine) Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 500 mg/ kg M [Acute] = 1 M [Chronic] = 1	[1]
3-aminopropyldiethylamine	REACH #: 01-2119965402-39 EC: 203-236-4 CAS: 104-78-9 Index: 612-062-00-1	≥5.0 - ≤10	Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 3, H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 830 mg/ kg ATE [Dermal] = 524 mg/kg	[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>

[1] Substance classified with a health or environmental hazard

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

SUB codes represent substances without registered CAS Numbers.

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

### 4.1 Description of first aid measures

Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.</li> </ul>
Ingestion	: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
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 symptoms and effects, both acute and delayed

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Potential acute health e	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.
Over-exposure signs/sy	<u>ymptoms</u>
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
4.3 Indication of any imn	nediate medical attention and special treatment needed
Notes to physician	. In case of inhalation of decomposition products in a fire, symptoms may be delayed

Notes to physician	<ul> <li>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.</li> </ul>
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 from the substance or mixture

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SECTION 5: Firefight	ting measures
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 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	<ul> <li>Decomposition products may include the following materials: carbon oxides nitrogen oxides Formaldehyde.</li> </ul>
5.3 Advice for firefighters	
Special precautions for fire-fighters	<ul> <li>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.</li> </ul>
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	tective 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".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
6.3 Methods and material for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. 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. 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.

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

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. 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	: Do not store above the following temperature: 50°C (122°F). 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.

#### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

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

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).

#### 8.1 Control parameters

### **Occupational exposure limits**

No exposure limit value known.

**Recommended monitoring procedures** : 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**

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

Product/ingredient name	Туре	Exposure	Value	Population	Effects
Formaldehyde, oligomeric reaction products with phenol	DNEL	Long term Oral	10 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	10 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	17.4 mg/m <sup>3</sup>	General population	
	DNEL	Long term Dermal	28 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	98.7 mg/m <sup>3</sup>	Workers	Systemic
1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.	DNEL	Long term Inhalation	0.002 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	0.004 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	0.03 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.03 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.04 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	0.05 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.18 mg/m <sup>3</sup>	Workers	Systemic
3-aminopropyldiethylamine	DNEL	Long term Inhalation	24.7 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	3.5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.8 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Oral	0.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	1.8 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	3.5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	24.7 mg/m <sup>3</sup>	Workers	Systemic

### **PNECs**

Product/ingredient name	Туре	Compartment Detail	Value	Method Detail
3-aminopropyldiethylamine	- -	Marine water Sewage Treatment Plant Fresh water sediment Fresh water sediment	0.03 mg/l 0.003 mg/l 10 mg/l 0.418 mg/kg dwt 0.042 mg/kg dwt 0.066 mg/kg dwt	Assessment Factors Assessment Factors Assessment Factors Equilibrium Partitioning Equilibrium Partitioning Equilibrium Partitioning

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 measur	<u>es</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	: Chemical splash goggles and face shield. Use eye protection according to EN 166.
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. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended.
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<b>SECTION 8: Exposure control</b>	s/personal protection	
(breakthi The user product i	ly brief contact is expected, a glove with a pro ough time greater than 30 minutes according must check that the final choice of type of glo s the most appropriate and takes into account ed in the user's risk assessment.	to EN 374) is recommended. ove selected for handling this

Gloves	butyl rubber
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	Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN140. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Mask type: full-face mask half-face mask Filter type: organic vapour filter (Type A) particulate filter P3 Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard in a risk assessment indicates this is necessary.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

Appearance		
Physical state	: Liquid.	
Colour	: Yellowish-brown.	
Odour	: Characteristic.	
Odour threshold	: Not available.	
Melting point/freezing point	: Not available.	
Initial boiling point and boiling range	: >37.78°C	
Flammability	: Not available.	
Upper/lower flammability or explosive limits	: Greatest known range: Lower: 1.1% Upper: 7.5% (3-aminopropyldiethylam	nine)
Flash point	: Closed cup: Not applicable.	
Auto-ignition temperature	: Not available.	
Decomposition temperature	: Stable under recommended storage and handling conditions (see Section 7	7).
рН	Not applicable.	
Viscosity	: Kinematic (40°C): >21 mm²/s	
Solubility(ies)	:	
Media	Result	
cold water	Not soluble	

Partition coefficient: n-octanol/ : Not applicable. water

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### **SECTION 9: Physical and chemical properties**

#### Vapour pressure

			Vapour Pressure at 20°C			Vap	Vapour pressure at 50°C		
		Ingredient name	mm Hg	mm Hg kPa	Method	mm Hg	kPa	Method	
		3-aminopropyldiethylamine	1.49713	0.2					
Evaporation rate		Not available.		l					
Relative density	:	1.08							
Vapour density	:	Highest known value	: 4.48 (A	(ir = 1	(3-aminopropy	ldiethylar	nine).		
Explosive properties	:	The product itself is r vapour or dust with a		,	t the formation	of an ex	plosible r	nixture of	
Oxidising properties	:	Product does not pre	sent an o	oxidizing	g hazard.				
Particle characteristics									
Median particle size	:	Not applicable.							
9.2 Other information									
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 : Under normal conditions of storage and use, hazardous reactions will not occur. hazardous reactions 10.4 Conditions to avoid : When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8. : Keep away from the following materials to prevent strong exothermic reactions: **10.5 Incompatible materials** oxidising agents, strong alkalis, strong acids. : Depending on conditions, decomposition products may include the following materials: **10.6 Hazardous** carbon oxides nitrogen oxides Formaldehyde. decomposition products

### **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
2-Propenenitrile reaction products with ethylenediamine, hydrogenated, reaction products with benzaldehyde, diethylenetriamine and triethylenetetramine, hydrogenated	LD50 Oral	Rat	500 mg/kg	-
1,3-Benzenedimethanamine, N- (2-phenylethyl) derivs.	LD50 Oral	Rat - Male, Female	500 mg/kg	-
3-aminopropyldiethylamine	LD50 Dermal LD50 Oral	Rabbit Rat	524 mg/kg 830 mg/kg	-

**Conclusion/Summary** : There are no data available on the mixture itself.

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### **SECTION 11: Toxicological information**

### Acute toxicity estimates

Route	ATE value	
Oral	593.71 mg/kg	
Dermal	7485.71 mg/kg	

### Irritation/Corrosion

Product/ingredient name		Result		<b>Species</b>	Score	Exposure	Observation
3-aminopropyldiethylamine	3-aminopropyldiethylamine Skin - Visible ne		ecrosis	Rabbit	-	1 minutes	8 days
Conclusion/Summary		•	L. L		1		
Skin	: There are	no data availabl	e on the m	nixture itself			
Eyes	: There are	no data availabl	e on the m	nixture itself			
Respiratory	: There are	no data availabl	e on the m	nixture itself			
Sensitisation							
Conclusion/Summary							
Skin	: There are	e no data availab	le on the r	nixture itsel	f.		
Respiratory	: There are	e no data availab	le on the r	nixture itsel	f.		
Mutagenicity							
Conclusion/Summary	: There are	e no data availab	le on the r	nixture itsel	f.		
<b>Carcinogenicity</b>							
Conclusion/Summary	: There are	e no data availab	le on the r	nixture itsel	f.		
Reproductive toxicity							
Conclusion/Summary	: There are	e no data availab	le on the r	nixture itsel	f.		
Teratogenicity							
Conclusion/Summary	: There are	e no data availab	le on the r	nixture itsel	f.		
Specific target organ toxici	ty (single exp	<u>oosure)</u>					
Product/ingredient name			Catego	ry R	oute of	Targe	t organs

Product/ingredient name	Category	Route of exposure	Target organs
Formaldehyde, oligomeric reaction products with phenol	Category 3	-	Respiratory tract irritation
1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.	Category 2	-	heart, skeletal muscle, small intestine
Information on likely : Not available.			

routes of exposure

: Not available.

### Potential acute health effects

English (GB)	Europe	10/15
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur	
Ingestion	: Adverse symptoms may include the following: stomach pains	
Inhalation	: No specific data.	
Symptoms related to	the physical, chemical and toxicological characteristics	
Eye contact	: Causes serious eye damage.	
Skin contact	: Causes severe burns. May cause an allergic skin reaction.	
Ingestion	: Harmful if swallowed.	
Inhalation	: No known significant effects or critical hazards.	

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SECTION 11: Toxicol	ogical information
Eye contact	: Adverse symptoms may include the following: pain watering redness
Short term exposure	cts as well as chronic effects from short and long-term exposure
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 effects

Not available.

<b>Conclusion/Summary</b>	: Not available.
General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.
Other information	: Not available.

Contains a substance that may emit formaldehyde if stored beyond its shelf life and/or during cure at curing temperatures greater than 60C/140F. Exposure to amine vapor has been reported to cause transient corneal edema described as blue haze, halo effect, foggy or blurred vision for several hours. This condition is typically temporary and does not cause permanent visual effects. When the proper eye protection specified in Section 8 is worn, exposure is significantly reduced and the condition has not been observed.

#### 11.2 Information on other hazards

#### **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
✓ormaldehyde, oligomeric reaction products with phenol	Acute EC50 172 mg/l	Daphnia	48 hours
1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.	NOEC 0.14 mg/l	Daphnia	21 days
3-aminopropyldiethylamine	Acute EC50 30.2 mg/l Acute EC50 146.6 mg/l	Daphnia Fish	48 hours 96 hours

**Conclusion/Summary** : There are no data available on the mixture itself.

### 12.2 Persistence and degradability

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### **SECTION 12: Ecological information**

Product/ingredient name	Test	Result		Dose	Inoculum
3-aminopropyldiethylamine	OECD 301A	90 % - Readily - 28 days -		-	-
Conclusion/Summary	: There are no da	ata available on the mixtu	ure itself.		
Product/ingredient name		Aquatic half-life	Photo	lysis	Biodegradability
3-aminopropyldiethylamine		-	-		Readily

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

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

#### 12.5 Results of PBT and vPvB assessment

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

#### 12.6 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. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: The classification of the product may meet the criteria for a hazardous waste.

European waste catalogue (EWC)

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
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.

English (GB)	Europe	12/15
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### SECTION 13: Disposal considerations

Type of packaging	European waste catalogue (EWC)	
Container	15 01 04	metallic packaging
Special precautions	• This material and its container must be disposed of in a safe way. Care should be	

his 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.

## 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.	AMINES, LIQUID, CORROSIVE, N.O.S.	AMINES, LIQUID, CORROSIVE, N.O.S.	Amines, liquid, corrosive, n.o.s.
	(2-Propenenitrile reaction products with ethylenediamine, hydrogenated, reaction products with benzaldehyde, diethylenetriamine and triethylenetetramine, hydrogenated, 1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.)			
14.3 Transport hazard class(es)	8	8	8	8
14.4 Packing group	II	II	II	II
14.5 Environmental hazards	Yes.	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	Not applicable.	(1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.)	Not applicable.

#### **Additional information**

ADR/RID	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
Tunnel code	: (E)
ADN	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
IMDG	: The marine pollutant mark is not required when transported in sizes of $\leq$ 5 L or $\leq$ 5 kg.
ΙΑΤΑ	: The environmentally hazardous substance mark may appear if required by other transportation regulations.

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

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14. Transport inform	nation		
14.6 Special precautions for user	<b>Transport within user's premises:</b> 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 applicable.		
SECTION 15: Regulate	ory information		
15.1 Safety, health and enviror	mental regulations/legislation specific for the substance or mixture		
EU Regulation (EC) No. 1907/	<u>2006 (REACH)</u>		
Annex XIV - List of substand	es subject to authorisation		
Annex XIV			
None of the components are listed.			
Substances of very high concern			
None of the components are	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	Not applicable.		
Explosive precursors	Not applicable.		
Ozone depleting substances	(1005/2009/EU)		
Not listed.			
VOC for Ready-for-Use Mixture	<ul> <li>IIA/j. Two-pack reactive performance coatings for specific end use such as floors. EU limit values: 500 g/l (2010.)</li> <li>This product contains a maximum of 140 g/l VOC.</li> </ul>		
Seveso Directive			
This product is controlled under	er the Seveso Directive.		
Danger criteria			
Category			

Category
E2

15.2 Chemical safety

: No Chemical Safety Assessment has been carried out.

assessment

**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] DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Concentration RRN = REACH Registration Number PBT = Persistent, Bioaccumulative and Toxic vPvB = Very Persistent and Very Bioaccumulative

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### **SECTION 16: Other information**

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway IMDG = International Maritime Dangerous Goods

IATA = International Air Transport Association

### Full text of abbreviated H statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated
	exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

### Full text of classifications [CLP/GHS]

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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
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
Skin Sens. 1B	SKIN SENSITISATION - Category 1B
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE -
	Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE -
	Category 3

Н	istory	

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#### <u>Disclaimer</u>

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