SAFETY DATA SHEET

Date of issue/Date of revision

: 15 November 2024



: 1.07

Version

Denmark

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

1.1 Product identifier

Product code

: 000001196035

Other means of identification

00469162; 00477541; 00477542; 00477543

1.2 Relevant identified uses of the substance or mixture and uses advised against				
Product use	1	Professional applications, Used by spraying.		
Use of the substance/ mixture	:	Hardener.		
Uses advised against	:	Product is not intended, labelled or packaged for consumer use.		

1.3 Details of the supplier of the safety data sheet

PPG Coatings Belgium BV/SRL Tweemontstraat 104 B-2100 Deurne Belgium Telephone +32-33606311 Fax +32-33606435

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

1.4 Emergency telephone number

National advisory body/Poison Centre

- **Telephone number**
- : Poison Information Centre; emergency telephone, public + 45 82 12 12 12 (health sector +45 35 31 55 55)

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] Flam. Liq. 3, H226 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 3, H412 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.

English (GB)

Denmark

Code : 000001196035	Date of issue/Date of revision	: 15 November 2024
SIGMAFAST 278 D HARDENER		

SECTION 2: Hazards identification

2.2 Label elements Hazard pictograms	
Signal word	: Danger
Hazard statements	 Flammable liquid and vapour. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Response	 IF INHALED: Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor.
Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	 Dispose of contents and container in accordance with all local, regional, national and international regulations. P280, P210, P304 + P310, P301 + P310, P403 + P233, P501
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 requiren	nents
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	: Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation.

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weight

Code : 000001196035 **SIGMAFAST 278 D HARDENER** Date of issue/Date of revision

Classification

: 15 November 2024

Туре

Specific Conc.

and ATEs

Limits, M-factors

Product/ingredient name

3.2 Mixtures

SECTION 3: Composition/information on ingredients

: Mixture

Identifiers

CAS: 68082-29-1 atity acid amer, stall-oil atity acid sand reichylenetetramine, eaction products with isphenol A- spichlorohydrin polymerCAS: SUB142945 $210 - \leq 25$ $\geq 10 - \leq 25$ Skin Irrit. 2, H315 Event. 2, H319 Skin Sens. 1, H317-(1)(1)atity acids and reichylenetetramine, eaction products with isphenol A- spichlorohydrin polymerREACH #: $01-2119488216-32$ EC: 215-635-7 CAS: 1330-20-7 $\geq 10 - \leq 25$ Flam. Lig. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H312 Asp. Tox. 1, H316 STOT SE 3, H335 STOT SE 3, H336-[1] [2]2-methylpropan-1-olREACH #: $01-2119484609-23$ EC: 201-440-0 CAS: 78-83-1 index: 603-108-00-1 $\geq 10 - <20$ Flam. Lig. 3, H226 Aquatic Chronic 3, H412-[1] [2]2-methylpropan-1-olREACH #: $01-2119484609-233$ EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5 $\geq 10 - <20$ Flam. Lig. 3, H226 Acute Tox. 4, H302 Eye Init. 2, H318 STOT SE 3, H335[1] [2]24,6-tris dimethylaminomethyl)REACH #: $01-2119489370-35$ EC: 202-013-9 CAS: 90-72-2 $\geq 1.0 - <5.0$ Acute Tox. 4, H302 Acute Tox. 4,					anu ATES	
atty acid almers, tall-oil atty acids and riethylenetetramine, eaction products with spichlorohydrin polymerREACH #: $01-2119488216-32$ EC: 215-535-7 CAS: 1330-20-7 $\geq 10 - \leq 25$ Flam. Lig, 3, H226 Acute Tox, 4, H312 Acute Tox, 4, H312 Asp. Tox, 1, H304 Aquatic Chronic 3, H412ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l[1] [2]2-methylpropan-1-olREACH #: $01-2119484609-23$ EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1 $\geq 10 - <20$ Flam. Lig, 3, H226 Skin Irrit, 2, H315 Eye Dam, 1, H318 STOT SE 3, H335 $-$ $-$ [1] [2]2-methylpropan-1-olREACH #: $01-2119482630-38$ EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5 $\geq 10 - <20$ Flam. Lig, 3, H226 Aquatic Chronic 3, H412 $ATE [Oral] = 1200 mg/$ kg[1]2-fisid dimethylaminomethyl)REACH #: $01-2119489307-35$ EC: 202-2489-4 CAS: 100-51-6 Index: 603-057-00-5 $\geq 1.0 - <5.0$ Acute Tox, 4, H302 Acute Tox, 4, H302 Skin Sens. 1B, H317ATE [Oral] = 1200 mg/ kg[1]2-formaldehyde, polymer with N-N-dimethyl- 1-2119489370-35 EC: 202-2489-4 CAS: 100-21-04-40 CAS: 100-21-04-40 CAS: 100-21-04-40 CAS: 100-21-04-40 CAS: 100-21-04-40 CAS: 100-21-04-40 CAS: 100-21-04-40 CAS: 100-21-04-40 CAS: 00-72-2 $\geq 1.0 - <5.0$ Acute Tox, 4, H302 Acute Tox, 4, H302<	Polyaminoamide		≥25 - ≤50	Eye Dam. 1, H318	-	[1]
$\begin{array}{c} 01-2119488216-32\\ EC: 215-535-7\\ CAS: 1330-20-7\\ CAS: 100-4148-0\\ CAS: 78-83-1\\ Index: 603-108-00-1\\ CAS: 100-51-6\\ Index: 603-057-00-5\\ CAS: 100-51-6\\ Index: 603-057-00-5\\ CAS: 100-51-6\\ Index: 603-057-00-5\\ CAS: 100-51-6\\ CAS: 100-51-6\\ CAS: 100-51-6\\ CAS: 90-72-2\\ CCS: 90-72-2\\ CAS: 90-72-2\\ CAS: 90-72-2\\ CAS: 90-72-2\\ CAS: 90-72-2\\ CAS: 100-41-4\\ Index: 601-023-00-4\\ REACH #: 01-21194929370-35\\ EC: 202-849-4\\ CAS: 100-41-4\\ Index: 601-023-00-4\\ CAS: 445498-00-0\\ CAS: 44549$	Amides, from C18-unsatd. fatty acid dimers, tall-oil fatty acids and triethylenetetramine, reaction products with bisphenol A- epichlorohydrin polymer	CAS: SUB142945	≥10 - ≤25	Eye Irrit. 2, H319	-	[1]
$\begin{array}{c} 01-2119484609-23 \\ EC: 201-148-0 \\ CAS: 78-83-1 \\ Index: 603-108-00-1 \\ \end{array}$ $\begin{array}{c} Stin Irrit. 2, H315 \\ Eye Dam. 1, H318 \\ STOT SE 3, H336 \\ STOT SE 3, H336 \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1200 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 17.8 \text{ mg/} \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 500 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 500 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 500 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 500 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1716 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1716 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1716 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Oral] = 1716 \text{ mg/} \\ kg \\ \end{array}$ $\begin{array}{c} ATE [Dermal] = 1465 \text{ mg/} \\ Br \\ Br \\ \end{array}$	xylene	01-2119488216-32 EC: 215-535-7	≥10 - ≤25	Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304	mg/kg ATE [Inhalation	[1] [2]
$ \begin{array}{c} 1 \\ 2,4,6-tris \\ (dimethylaminomethyl) \\ \text{ohenol} \\ 2,2,0,13-9 \\ (CAS: 90-72-2) \\ (CAS: 90-72-3) \\ (CA$	2-methylpropan-1-ol	01-2119484609-23 EC: 201-148-0 CAS: 78-83-1	≥10 - <20	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	-	[1] [2]
Indication01-2119560597-27 EC: 202-013-9 CAS: 90-72-2Acute Tox. 4, H312 Skin Corr. 1C, H314 Eye Dam. 1, H318kgATE [Dermal] = 1280 mg/kgathylbenzeneREACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4 $\geq 1.0 - \leq 5.0$ Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412ATE [Inhalation (vapours)] = 17.8 mg/l[1] [2]Formaldehyde, polymer with N,N-dimethyl- 1,3-propanediamine and ohenolCAS: 445498-00-0 01-2119487919-13 EC: 292-588-2 CAS: 90640-67-8 $\geq 0.30 -$ <2.5	benzyl alcohol	01-2119492630-38 EC: 202-859-9 CAS: 100-51-6	≥10 - ≤25	Eye Irrit. 2, H319		[1]
O1-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 	2,4,6-tris (dimethylaminomethyl) phenol	01-2119560597-27 EC: 202-013-9	≥1.0 - ≤5.0	Acute Tox. 4, H312 Skin Corr. 1C, H314	kg ATE [Dermal] = 1280	[1]
with N,N-dimethyl- 1,3-propanediamine and ohenol <2.5 Aquatic Acute 1, H400 Aquatic Chronic 1, H410kg M [Acute] = 1 M [Chronic] = 1Amines, polyethylenepoly-, riethylenetetramine fractionREACH #: 01-2119487919-13 EC: 292-588-2 CAS: 90640-67-8 $>1.0 - ≤3.9$ Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318ATE [Oral] = 1716 mg/ kg ATE [Dermal] = 1465 mg/kg	ethylbenzene	01-2119489370-35 EC: 202-849-4 CAS: 100-41-4	≥1.0 - ≤5.0	Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304		[1] [2]
riethylenetetramine fraction 01-2119487919-13 EC: 292-588-2 CAS: 90640-67-8 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 kg ATE [Dermal] = 1465 mg/kg	Formaldehyde, polymer with N,N-dimethyl- 1,3-propanediamine and phenol	CAS: 445498-00-0		Aquatic Acute 1, H400	kg M [Acute] = 1	[1]
English (GB) Denmark 3/20	Amines, polyethylenepoly-, triethylenetetramine fraction	01-2119487919-13 EC: 292-588-2	≥1.0 - ≤3.9	Acute Tox. 4, H312 Skin Corr. 1B, H314	kg ATE [Dermal] = 1465	[1]
	English (GB)			Denmark		3/20

Code	: 000001196035	Date of issue/Date of revision	: 15 November 2024
SIGMAFA	ST 278 D HARDENER		

SECTION 3: Composition/information on ingredients

Skin Sens. 1, H317 Aquatic Chronic 3, H412 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>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

SUB codes represent substances without registered CAS Numbers.

SECTION 4: First aid measures

- Description of mot and n	
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	 Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
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 symp	otoms and effects, both acute and delayed
Potential acute health e	effects
Eye contact	: Causes serious eye damage.
Inhalation	: May cause respiratory irritation.
Skin contact	: Causes severe burns. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: Corrosive to the digestive tract. Causes burns.
Over-exposure signs/s	<u>ymptoms</u>
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing

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Code : 00000119603 SIGMAFAST 278 D HARDEN	Date of issue/Date of revision : 15 November 2024 R		
SECTION 4: First aid	l measures		
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur		
Ingestion	: Adverse symptoms may include the following: stomach pains		
4.3 Indication of any immedi	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 dry chemical, CO ₂ , water spray (fog) or foam.		
Unsuitable extinguishing media	: Do not use water jet.		
5.2 Special hazards arising f	from the substance or mixture		
Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful 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 oxides nitrogen oxides halogenated compounds		
5.3 Advice for firefighters			
Special precautions 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.		
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 Europear 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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment
	on appropriate personal protective equipment.

English (GB)	Denmark	5/20

2020/878					
Code : 000001196035 SIGMAFAST 278 D HARDENE		Date of issue/Date of revision : 15 November 2024			
SECTION 6: Acciden	ta	l release measures			
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.			
6.3 Methods and material for	со	ntainment and cleaning up			
Small spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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 lisposal container. Dispose of via a licensed waste disposal contractor.			
Large spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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. 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. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
	Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.
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.

English (GB)	Denmark	6/20
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Code	: 000001196035	Date of issue/Date of revision	: 15 November 2024
SIGMAFAST 278 D HARDENER			
SECTI	ON 7: Handling and sto	rago	

SECTION 7: Handling and storage

7.2 Conditions for safe storage, including any incompatibilities	: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidising materials. 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

Product/ingredient name	Exposure limit values	
x ylene	Working Environment Authority (Denmark, 2/2023) [xylen, alle isomere] Absorbed through skin. TWA 8 hours: 25 ppm. TWA 8 hours: 109 mg/m ³ . STEL 15 minutes: 442 mg/m ³ . STEL 15 minutes: 100 ppm.	
2-methylpropan-1-ol	Working Environment Authority (Denmark, 2/2023) [butanol, alle isomere] Absorbed through skin. CEIL: 50 ppm. CEIL: 150 mg/m ³ .	
ethylbenzene	Working Environment Authority (Denmark, 2/2023) K. Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 217 mg/m ³ . STEL 15 minutes: 434 mg/m ³ . STEL 15 minutes: 100 ppm.	
procedures Standard EN 6 by inhalation to strategy) Euro application and biological agen requirements for	ce should be made to monitoring standards, such as the following: European I EN 689 (Workplace atmospheres - Guidance for the assessment of exposi- tion to chemical agents for comparison with limit values and measurement European Standard EN 14042 (Workplace atmospheres - Guide for the on and use of procedures for the assessment of exposure to chemical and I agents) European Standard EN 482 (Workplace atmospheres - General ents for the performance of procedures for the measurement of chemical Reference to national guidance documents for methods for the determinatio	

of hazardous substances will also be required.

DNELs

Code : 000001196035 SIGMAFAST 278 D HARDENER Date of issue/Date of revision

: 15 November 2024

SECTION 8: Exposure controls/personal protection

Product/ingredient name	Туре	Exposure	Value	Population	Effects
xylene	DNEL	Long term Oral	5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	65.3 mg/m ³	General population	Local
	DNEL	Long term Inhalation	65.3 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	125 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	212 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	221 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	221 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	260 mg/m ³	General population	Local
	DNEL	Short term Inhalation	260 mg/m ³	General population	Systemic
	DNEL	Short term Inhalation	442 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	442 mg/m ³	Workers	Systemic
2-methylpropan-1-ol	DNEL	Long term Inhalation	55 mg/m³	General population	Local
	DNEL	Long term Inhalation	310 mg/m ³	Workers	Local
benzyl alcohol	DNEL	Long term Oral	4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	5.4 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	8 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Oral	20 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	20 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	22 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	27 mg/m ³	General population	Systemic
	DNEL	Short term Dermal	40 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	110 mg/m ³	Workers	Systemic
2,4,6-tris	DNEL	Long term Oral	0.075 mg/kg bw/day	General population	Systemic
(dimethylaminomethyl)phenol		5	5 5 ,		,
	DNEL	Short term Dermal	0.075 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.075 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	0.13 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	0.13 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	0.15 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.53 mg/m ³	Workers	Systemic
	DNEL	Short term Dermal	0.6 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	2.1 mg/m ³	Workers	Systemic
ethylbenzene	DMEL	Long term Inhalation	442 mg/m ³	Workers	Local
	DMEL	Short term Inhalation	884 mg/m ³	Workers	Systemic
	DNEL	Long term Oral	1.6 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	15 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	77 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	293 mg/m ³	Workers	Local
Amines, polyethylenepoly-, triethylenetetramine fraction	DNEL	Long term Inhalation	0.096 mg/m ³	General population	Systemic
	DNEL DNEL	Long term Oral Long term Inhalation	0.14 mg/kg bw/day 0.54 mg/m³	General population Workers	Systemic Systemic
	DINEL		0.04 mg/m	VVUINCIS	Systemic

PNECs

Product/ingredient name	Туре	Compartment Detail	Value	Method Detail
xylene	-	Fresh water	0.327 mg/l	-
	-	Marine water	0.327 mg/l	-
	-	Sewage Treatment Plant	6.58 mg/l	-
	-	Fresh water sediment	12.46 mg/kg dwt	-
	-	Marine water sediment	12.46 mg/kg dwt	-
	-	Soil	2.31 mg/kg	-
2-methylpropan-1-ol	-	Fresh water	0.4 mg/l	Assessment Factors
	-	Marine water	0.04 mg/l	Assessment Factors
	-	Sewage Treatment Plant	10 mg/l	Assessment Factors
English (GB)		Denmark		8/20

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

Code <th:: 000001196035<="" th="">Date of issue/Date of revision: 15 November 2024SIGMAFAST 278 D HARDENER</th::>					
SECTION 8: Exposure controls/personal protection					
ethylbenzene	 Fresh water sediment Marine water sediment Soil Fresh water Marine water Sewage Treatment Plant Fresh water sediment Marine water sediment Soil Secondary Poisoning 	1.56 mg/kg dwt 0.156 mg/kg dwt 0.076 mg/kg dwt 0.1 mg/l 0.01 mg/l 9.6 mg/l 13.7 mg/kg dwt 1.37 mg/kg dwt 2.68 mg/kg dwt 20 mg/kg	Equilibrium Partitioning - Equilibrium Partitioning Assessment Factors Assessment Factors Assessment Factors Equilibrium Partitioning Equilibrium Partitioning Equilibrium Partitioning -		

8.2 Exposure controls							
Appropriate engineering controls		Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.					
Individual protection measures							
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	1	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. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. 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.					
Gloves	:	nitrile neoprene					
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. When there is a risk of ignition from static electricity, wear anti- static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 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.					

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

2020/070				
Code : 00000119603 SIGMAFAST 278 D HARDEN	Date of issue/Date of revision : 15 November 2024 R			
SECTION 8: Exposu	controls/personal protection			
Respiratory protection	: 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. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3			
 Environmental exposure controls Emissions from ventilation or work process equipment should be checked to en they comply with the requirements of environmental protection legislation. In sc cases, fume scrubbers, filters or engineering modifications to the process equip will be necessary to reduce emissions to acceptable levels. 				

SECTION 9: Physical and chemical properties

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

9.1 Information on basic physical and chemical properties

<u>Appearance</u>								
Physical state	: 1	: Liquid.						
Colour	: (: Clear.						
Odour	: /	Amine-like. [Slight]						
Melting point/freezing point		Not determined.						
Boiling point or initial boiling point and boiling range	: :	>37.78°C						
Flammability		Not determined. There	e are no d	ata ava	ailable on the	mixture i	tself.	
Lower and upper explosion limit	:	Not available.						
Flash point	: (Closed cup: 29°C						
Auto-ignition temperature	:							
		Ingredient name		°C	°F	1	Method	
		2,4,6-tris(dimethylaminome	ethyl)phenol	382	719.6	E	U A.15	
Decomposition temperature	: :	Stable under recomm	ended sto	rage ai	nd handling co	onditions	(see Sec	tion 7).
рН	: 1	Not applicable. insolu	ble in wate	er.	-			-
Viscosity	I	 Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C): >21 mm²/s 						
Viscosity	: (60 - 100 s (ISO 6mm))					
Solubility	:	:						
Media		Result						
cold water		Not soluble						
Partition coefficient n-octanol/ water (log Pow)	: 1	Not applicable.						
Vapour pressure	:	: Vapour Pressure at 20°C Vapour pressure at 50°C				sure at 50°C		
		Ingredient name	mm Hg	(Pa	Method	mm Hg	kPa	Method
	İ	2-methylpropan-1-ol	<12.00102 <	<1.6	DIN EN 13016-2			
Relative density	: ().96			1		I	
English (GB)			Den	mark				10/20

 Code
 <th::000001196035</th>
 Date of issue/Date of revision
 : 15 November 2024

 SIGMAFAST 278 D HARDENER
 SECTION 9: Physical and chemical properties

 Particle characteristics

Median particle size : Not applicable. 9.2 Other information 9.2.1 Information with regard to physical hazard classes Explosive properties : The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible. Oxidising properties : Product does not present an oxidizing hazard.

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	:	When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
10.5 Incompatible materials	:	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6 Hazardous decomposition products	:	Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides halogenated compounds

SECTION 11: Toxicological information

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

The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly.

 $\overline{\mathcal{C}}$ auses severe skin burns and eye damage.

May cause an allergic skin reaction.

May cause respiratory irritation.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
x ylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapour	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
benzyl alcohol	LC50 Inhalation Dusts and	Rat	>5 mg/l	4 hours
	mists			
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-
2,4,6-tris(dimethylaminomethyl)phenol	LD50 Dermal	Rat	1280 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
-	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
Amines, polyethylenepoly-,	LD50 Dermal	Rabbit	1465 mg/kg	-
triethylenetetramine fraction				
English (GB)	Denmark	ζ.		11/20

<mark>Code</mark> SIGMAFA	: 000001196035 \ST 278 D HARDENER	Date of issue	e/Date of revision	: 15 Novem	1ber 2024	
SECTIO	ON 11: Toxicological	information				
		LD50 Oral	Rat	1716 ma/ka	-	

Acute toxicity estimates

Route	ATE value
Øral	5330.44 mg/kg
Dermal	7274.52 mg/kg
Inhalation (vapours)	64.61 mg/l

Conclusion/Summary

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

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-

Conclusion/Summary

Eyes

: Causes serious eye damage. Respiratory

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

Respiratory or skin sensitization

Conclusion/Summary

- Skin Respiratory
 - : May cause an allergic skin reaction.
 - : Based on available data, the classification criteria are not met.

Mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
xylene 2-methylpropan-1-ol	Category 3 Category 3 Category 3	-	Respiratory tract irritation Respiratory tract irritation Narcotic effects

Conclusion/Summary

May cause respiratory irritation.

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene	Category 2	-	hearing organs

Conclusion/Summary

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

Aspiration hazard

Product/ingredient name	Result
xylene	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1

Conclusion/Summary

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

English (GB)	Denmark	12/20
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Code : 000001196035	Date of issue/Date of revision	: 15 November 2024
SIGMAFAST 278 D HARDENER		

SECTION 11: Toxicological information

Information on likely routes of exposure	: Not available.
Potential acute health effe	ects
Inhalation	: May cause respiratory irritation.
Ingestion	: Corrosive to the digestive tract. Causes burns.
Skin contact	: Causes severe burns. Defatting to the skin. May cause an allergic skin reaction.
Eye contact	: Causes serious eye damage.
	bhysical, chemical and toxicological characteristics
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Ingestion	: Adverse symptoms may include the following: stomach pains
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Eye contact	: Adverse symptoms may include the following: pain watering redness
Delayed and immediate ef	fects as well as chronic effects from short and long-term exposure
Short term exposure	
Potential immediate effects	: No known significant effects or critical hazards.
	s : No known significant effects or critical hazards.
Long term exposure	
Potential immediate effects	: No known significant effects or critical hazards.
	s : No known significant effects or critical hazards.
Potential chronic health e	
General	 Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. 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	: Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. 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.

English (GB) Denmark	13/20
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Code	: 000001196035	Date of issue/Date of revision	: 15 November 2024
SIGMAFAST	278 D HARDENER		

SECTION 11: Toxicological information

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

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

11.2.2 Other information

Not available.

SECTION 12: Ecological information

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
2,4,6-tris(dimethylaminomethyl)phenol	Acute LC50 >100 mg/l	Daphnia	48 hours
	Acute LC50 >100 mg/l	Fish	96 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh	Daphnia -	-
	water	Ceriodaphnia dubia	
Amines, polyethylenepoly-, triethylenetetramine fraction	Acute EC50 20 mg/l	Aquatic plants - Daphnia magna	72 hours
	Acute EC50 31.1 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 330 mg/l	Fish - <i>Pimephales</i> promelas	96 hours
	Acute NOEC 2.5 mg/l	, Crustaceans	72 hours

Conclusion/Summary

: Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum
2,4,6-tris (dimethylaminomethyl)phenol	OECD 301D Ready Biodegradability - Closed Bottle Test	4 % - Not readily - 28 da	iys	-	-
ethylbenzene	-	79 % - Readily - 10 days	6	-	-
Product/ingredient name		Aquatic half-life	Photo	lysis	Biodegradability
xylene benzyl alcohol 2,4,6-tris(dimethylaminomethy ethylbenzene	l)phenol	- - - -	- - -		Readily Readily Not readily Readily

12.3 Bioaccumulative potential

Code	: 000001196035	Date of issue/Date of revision	: 15 November 2024
SIGMAFAST	278 D HARDENER		

SECTION 12: Ecological information

Product/ingredient name	LogPow	BCF	Potential	
X lene	3.12	7.4 to 18.5	Low	
2-methylpropan-1-ol	1	-	Low	
benzyl alcohol	0.87	-	Low	
2,4,6-tris(dimethylaminomethyl)phenol	0.219	-	Low	
ethylbenzene	3.6	79.43	Low	
Amines, polyethylenepoly-, triethylenetetramine fraction	-2.65	-	Low	

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

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

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

|--|

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

European waste catalogue (EWC)

Waste code		Waste designation
Ø 8 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	
Packaging		
Methods of disposal		on of waste should be avoided or minimised wherever possible. Waste nould be recycled. Incineration or landfill should only be considered when ot feasible.
Type of packaging		European waste catalogue (EWC)
Container	15 01 06	mixed packaging

English (GB)	Denmark	15/20
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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)	
2020/878	

Code: 000001196035Date of issue/Date of revision: 15 November 2024

SIGMAFAST 278 D HARDENER

SECTION 13: Disposal considerations

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. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. 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	UN3469	UN3469	UN3469	UN3469
14.2 UN proper shipping name	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE
14.3 Transport hazard class(es)	3 (8)	3 (8)	3 (8)	3 (8)
14.4 Packing group	III	Ш	III	III
14.5 Environmental hazards	No.	Yes.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.	Not applicable.

Additional information

ADR/RID: None identified.Tunnel code: (D/E)ADN: The product is only regulated as an environmentally hazardous substance when transported in tank
vessels.IMDG: None identified.IATA: None identified.

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

14.7 Maritime transport in	: Not applicable.
bulk according to IMO	
instruments	

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

English (GB)

Conforms to Regulation (EC)	lo. 1907/2006 (REACH),	Annex II, as amended by	Commission Regulation (EU)	
2020/878				

2020/878				
Code : 00000119603 SIGMAFAST 278 D HARDEN		Date of issue/Date of revision	: 1	5 November 2024
SECTION 15: Regula	tory informatio	n		
Annex XVII - Restrictions substances, mixtures an		placing on the market and use of	of certain c	<u>dangerous</u>
Product/ingredient name	9		Entry	Number (REACH)
GMAFAST 278 D HAR	DENER		3	
Labelling	: Not applicable.			
Explosive precursors Ozone depleting substand Not listed.	: Not applicable. ces (1005/2009/EU)			
Seveso Directive This product is controlled ur Danger criteria	nder the Seveso Directi	ve.		
Category				
P5c				
National regulations				
Fire class	: 🛛 1			
Executive Order No. 1795/2	<u>2015</u>			
Ingredient name		Annex I Se	ction A	Annex I Section B
ethylbenzene		Listed		-
MAL-code	: 4-5			
Protection based on MAL	-	regulations on work involving co to the use of personal protective	•	
	protective clothing not adequately prot in work involving sp	nust be worn for all work that may must be worn when soiling is so gr ect skin against contact with the p pattering if a full mask is not require of eye protection is not required.	reat that reg roduct. A fa	gular work clothes do ace shield must be worn
		ations in which there is return spra on and arm protectors/apron/cover istructed.		
	treatments in a spr working in similar n	n using scraper or knife, brush, rol ay booth where the operator is out ew* facilities of the combined-cabi rator is working inside the spray zo n-atomizing guns.	side the spr in, spray-ca	ray zone and when bin and spray-booth
	- Protective clothing	g must be worn.		
	booths of the existi	er or knife, brush, roller, etc, for pre ng* facility type, if the operator is ir ush, roller, etc. for pre- and post-tr ly cabin.	nside the sp	oray zone. When using
	- Air-supplied half r	nask, protective clothing and eye p	protection m	nust be worn.

English (GB)	Denmark	17/20
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Code	: 000001196035	Date of issue/Date of revision	: 15 November 2024
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SIGMAFAST 278 D HARDENER

SECTION 15: Regulatory information

When spraying in new* booths if the operator is outside the spray zone.

- Air-supplied half mask and eye protection must be worn.

When spraying in existing* spray booths, if the operator is outside the spray zone. During non-atomising spraying in existing* facilities of the combined-cabin, spray-cabin and spray-booth type where the operator is working inside the spray zone. During downtimes, cleaning and repair in closed facilities, spray booths or cabins, if there is a risk of contact with wet paint or organic solvents.

- Air-supplied full mask and protective clothing must be worn.

During all spraying where atomisation occurs in cabins or spray booths where the operator is inside the spray zone and during spraying outside a closed facility, cabin or booth.

- Air-supplied full mask, protective clothing and hood must be worn.

Drying: Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone.

Polishing: When polishing treated surfaces, a mask with dust filter must be worn. When machine grinding, eye protection must be worn. Work gloves must always be worn.

Caution The regulations contain other stipulations in addition to the above.

*See Regulations.

Restrictions on use : Not to be used by professional users below 18 years of age. See the National Working Environment Authorities Executive Order regarding Young People At Work.

: Listed

: Waste containers must be labeled: Contains a substance or substances regulated by Danish working environment legislation on cancer risks.

15.2 Chemical safety assessment

List of undesirable

Carcinogenic waste

substances

: No Chemical Safety Assessment has been carried out.

C	ode	: 000001196035	Date of issue/Date of revision	: 15 November 2024

SIGMAFAST 278 D HARDENER

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

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

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Flam. Liq. 3, H226	On basis of test data
Skin Corr. 1C, H314	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H335	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

Eye Dam. 1 Eye Irrit. 2

Flam. Liq. 2

Flam. Liq. 3

Skin Corr. 1B

Skin Corr. 1C

English (GB)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
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.
H412	Harmful to aquatic life with long lasting effects.
Full text of classifications [CLP/GHS]	
Acute Tox. 4	ACUTE TOXICITY - Category 4
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 3	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

SKIN CORROSION/IRRITATION - Category 1B

SKIN CORROSION/IRRITATION - Category 1C

FLAMMABLE LIQUIDS - Category 2

FLAMMABLE LIQUIDS - Category 3

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

Code : 000001196035 SIGMAFAST 278 D HARDENER	Date of issue/Date of revision : 15 November 2024
SECTION 16: Other information	
Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1B STOT RE 2	SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

<u>History</u>	
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