SAFETY DATA SHEET

Date of issue/Date of revision

: 12 September 2024 Version



Egypt

: 1.01

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

1.1 Product identifier	
Product name	: SIGMAFAST 205 (EP STEELINE) HARDENER
Product code	: 000001203666
Other means of identification 00479689	ation
1.2 Relevant identified use	es of the substance or mixture and uses advised against
Product use	: 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
Sigma Paints Egypt Villa#8, street 279 New Maadi, Cairo	

v ilia#0, sli eel 279	
New Maadi, Cairo	
Egypt	
Tel: 00202 516 223 797	
Fax: 00202 516 38 04	
e-mail address of person	: PS.ACEMEA@ppg.com
responsible for this SDS	

1.4 Emergency telephone : +20 2 6840902 number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture : Mixture **Product definition** Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Lig. 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.

2.2 Label elements

Conforms to Regulation (EC) 2020/878	No. 1907/2006 (REACH	l), Annex II, as amended by Commission	n Regulation (EU)	
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SIGMAFAST 205 (EP STEELINE) HARDENER				
SECTION 2: Hazards	dentification			
Hazard pictograms				
Hazard statements	May cause an allerg May cause respirato	burns and eye damage. ic skin reaction.		
Precautionary statements	·	5 5		
Prevention		ves, protective clothing and eye or face pro sparks, open flames and other ignition sour		
Response		diately call a POISON CENTER or doctor. OISON CENTER or doctor.	IF SWALLOWED:	
Storage	: Store in a well-ventil	ated place. Keep container tightly closed.		
Disposal	international regulat	and container in accordance with all local, ions. · P310, P301 + P310, P403 + P233, P501	regional, national and	
Hazardous ingredients	: xylene Fatty acids, C18-uns and triethylenetetrar 2-methylpropan-1-o 2,4,6-tris(dimethylar 3,6-diazaoctanethyla	l ninomethyl)phenol	with tall-oil fatty acids	
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 n	ot contain any substances that are assess	ed to be a PBT or a vPvB.	
Other hazards which do not result in classification	: Causes digestive tra irritation.	act burns. Prolonged or repeated contact n	nay dry skin and cause	

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

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Code

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥10 - ≤25	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	REACH #: 01-2119972320-44 EC: 500-191-5 CAS: 68082-29-1	≥10 - <25	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 2, H411	-	[1]
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥5.0 - ≤10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1] [2]
benzyl alcohol	REACH #: 01-2119492630-38 EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5	≥5.0 - ≤10	Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Irrit. 2, H319	ATE [Oral] = 1230 mg/ kg ATE [Inhalation (dusts and mists)] = 1.5 mg/l	[1] [2]
2,4,6-tris (dimethylaminomethyl) phenol	REACH #: 01-2119560597-27 EC: 202-013-9 CAS: 90-72-2	≥1.0 - ≤5.0	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1C, H314 Eye Dam. 1, H318	ATE [Oral] = 1200 mg/ kg ATE [Dermal] = 1280 mg/kg	[1]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≥1.0 - ≤5.0	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Inhalation (vapours)] = 17.8 mg/l	[1] [2]
3,6-diazaoctanethylenediamin	EC: 203-950-6 CAS: 112-24-3 Index: 612-059-00-5	≥1.0 - <5.0	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 1716 mg/ kg ATE [Dermal] = 1465 mg/kg	[1] [2]

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.

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SECTION	3: Composition/informat	ion on ingredients			
	e classified with a health or environmen e with a workplace exposure limit	tal hazard			
Occupational exposure limits, if available, are listed in Section 8.					

-	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 symptoms and effects, both acute and delayed

Potential acute health	<u>effects</u>
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/	symptoms
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
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 im	mediate 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.

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SECTION 5: Firefigh	ting measures		
5.1 Extinguishing media Suitable extinguishing media	: Use dry chemical, CC) _{2,} water spray (fog) or foam.	
Unsuitable extinguishing media	: Do not use water jet.		
5.2 Special hazards arising f	rom the substance or m	ixture	
Hazards from the substance or mixture	a fire or if heated, a p risk of a subsequent effects. Fire water co	d vapour. Runoff to sewer may create fire pressure increase will occur and the conta explosion. This material is harmful to aq pontaminated with this material must be co ed to any waterway, sewer or drain.	ainer may burst, with the uatic life with long lasting
Hazardous combustion products	: Decomposition produ carbon oxides nitrogen oxides	icts may include the following materials:	
5.3 Advice for firefighters			
Special precautions for fire-fighters	there is a fire. No ac training. Move conta	scene by removing all persons from the v tion shall be taken involving any persona iners from fire area if this can be done wi posed containers cool.	risk or without suitable
Special protective equipment for fire-fighters	apparatus (SCBA) wi for fire-fighters (inclu	vear appropriate protective equipment an th a full face-piece operated in positive p ding helmets, protective boots and gloves provide a basic level of protection for che	ressure mode. Clothing s) conforming to Europear

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. 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.
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	containment 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 disposal container. Dispose of via a licensed waste disposal contractor.

Conforms to 2020/878 Code	o Regulation (EC) No : 000001203666	b. 1907/2006 (REACH), Annex II, as amended by Commissio Date of issue/Date of revision	n Regulation (EU) : 12 September 2024
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Large spil	II :	Stop leak if without risk. Move containers from spill area. Use explosion-proof equipment. Approach the release from upwin sewers, water courses, basements or confined areas. Wash treatment plant or proceed as follows. Contain and collect spi combustible, absorbent material e.g. sand, earth, vermiculite of place in container for disposal according to local regulations. waste disposal contractor. Contaminated absorbent material hazard as the spilt product.	d. Prevent entry into spillages into an effluent llage with non- or diatomaceous earth and Dispose of via a licensed
6.4 Referer sections	nce to other :	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protecti See Section 13 for additional waste treatment information.	ve equipment.

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.
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 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.

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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/ingredie	nt name	Exposure limit values
xylene		Law Number 4 of 1994, Environmental Law, Annex 8 - Maximum limits for air pollutants inside workplaces (Egypt, 8/2011). [xylene (o-, m-, p-isomers)] STEL: 651 mg/m ³ 15 minutes. STEL: 150 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. TWA: 100 ppm 8 hours.
2-methylpropan-1-ol		Law Number 4 of 1994, Environmental Law, Annex 8 - Maximum limits for air pollutants inside workplaces (Egypt, 8/2011). TWA: 152 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.
ethylbenzene		Law Number 4 of 1994, Environmental Law, Annex 8 - Maximum limits for air pollutants inside workplaces (Egypt, 8/2011). STEL: 543 mg/m ³ 15 minutes. STEL: 125 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. TWA: 100 ppm 8 hours.
Recommended monitoring procedures	Standard EN 689 by inhalation to c strategy) Europe application and u biological agents requirements for agents) Referen	d be made to monitoring standards, such as the following: European 9 (Workplace atmospheres - Guidance for the assessment of exposure chemical agents for comparison with limit values and measurement ean Standard EN 14042 (Workplace atmospheres - Guide for the use of procedures for the assessment of exposure to chemical and b) European Standard EN 482 (Workplace atmospheres - General the performance of procedures for the measurement of chemical nee to national guidance documents for methods for the determination postances will also be required.
3.2 Exposure controls		
Appropriate engineering controls	other engineering recommended o	equate ventilation. Use process enclosures, local exhaust ventilation or g controls to keep worker exposure to airborne contaminants below any r statutory limits. The engineering controls also need to keep gas, oncentrations below any lower explosive limits. Use explosion-proof ment.
Individual protection measu	res	
Hygiene measures	eating, smoking Appropriate tech Contaminated w contaminated clo	earms and face thoroughly after handling chemical products, before and using the lavatory and at the end of the working period. niques should be used to remove potentially contaminated clothing. ork clothing should not be allowed out of the workplace. Wash othing before reusing. Ensure that eyewash stations and safety se to the workstation location.
Eye/face protection Skin protection	: Chemical splash	goggles and face shield.
Hand protection	•	

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	worn at all times when handling chemic necessary. Considering the parameter during use that the gloves are still retain noted that the time to breakthrough for glove manufacturers. In the case of mi protection time of the gloves cannot be frequently repeated contact may occur, (breakthrough time greater than 480 m When only brief contact is expected, a (breakthrough time greater than 30 min The user must check that the final choi	inutes according to EN 374) is recommended. glove with a protection class of 2 or higher nutes according to EN 374) is recommended. ce of type of glove selected for handling this kes into account the particular conditions of use,
Gloves	: nitrile neoprene	
Body protection	performed and the risks involved and s handling this product. When there is a static protective clothing. For the great should include anti-static overalls, boot	body should be selected based on the task being hould be approved by a specialist before risk of ignition from static electricity, wear anti- test protection from static discharges, clothing s and gloves. Refer to European Standard EN I and design requirements and test methods.
Other skin protection		al skin protection measures should be selected d the risks involved and should be approved by a
Respiratory protection	:	
Environmental exposure controls	they comply with the requirements of er	cess equipment should be checked to ensure nvironmental protection legislation. In some eering modifications to the process equipment 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	: Liquid.				
Colour	: Colourless.				
Odour	: Amine-like. [Strong]				
Odour threshold	: Not available.				
Melting point/freezing point	: May start to solidify at the following temperature: 12°C (53.6°F) This is based on data for the following ingredient: 3,6-diazaoctanethylenediamin. Weighted average: -68.67°C (-91.6°F)				
Initial boiling point and boiling range	: >37.78°C				
Flammability	: Not available.				
Upper/lower flammability or explosive limits	: Greatest known range: Lower: 1.3% Upper: 13% (benzyl alcohol)				
Flash point	: Closed cup: 28°C				
Auto-ignition temperature	Ingredient name °C °F Method				
	3,6-diazaoctanethylenediamin 337.78 640				
Decomposition temperature pH	 Stable under recommended storage and handling conditions (see Section 7). Not applicable. 				

English (GB)
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SECTION 9: Physical	l and	chemical pro	oerties					
Viscosity	:	Kinematic (room temperature): >400 mm²/s						
Minnerity		Kinematic (40°C): >2						
Viscosity Solubility(ies)		60 - 100 s (ISO 6mn	n)					
Media	· ·	Result						
cold water		Not soluble						
Partition coefficient: n-octa water	nol/ :	Not applicable.						
Vapour pressure	:		Vapoι	Ir Pres	sure at 20°C	Vapo	our press	sure at 50°C
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
		2-methylpropan-1-ol	<12.00102	<1.6	DIN EN 13016-2			
Evaporation rate	:	Highest known value butyl acetate	e: 0.84 (etł	nylbenz	ene) Weighted	d average	e: 0.58co	mpared with
Relative density	:	0.96						
Vapour density	:	Highest known value	e: 5.04 (Ai	r = 1) (3,6-diazaoctar	nethylene	diamin).	Waightad
		average: 3.49 (Air =	1)				,	weighted
Explosive properties	:	The product itself is vapour or dust with a	not explos		the formation	of an exp		-
Explosive properties Oxidising properties		The product itself is	not explos air is possi	ble.		of an exp		-
Oxidising properties		The product itself is vapour or dust with a	not explos air is possi	ble.		of an exp		-
Oxidising properties	:	The product itself is vapour or dust with a	not explos air is possi	ble.		of an exp		-
Oxidising properties Particle characteristics Median particle size	:	The product itself is vapour or dust with a Product does not pre	not explos air is possi	ble.		of an exp		-
Oxidising properties Particle characteristics Median particle size	:	The product itself is vapour or dust with a Product does not pre	not explos air is possi	ble.		of an exp		-
Oxidising properties Particle characteristics Median particle size 9.2 Other information No additional information.	:	The product itself is vapour or dust with a Product does not pre Not applicable.	not explos air is possi	ble.		of an exp		-
Oxidising properties Particle characteristics Median particle size 9.2 Other information No additional information. SECTION 10: Stabilit	: : ty and	The product itself is vapour or dust with a Product does not pre Not applicable.	not explos air is possi esent an o	ble. xidizing	hazard.		olosible m	nixture of
Oxidising properties Particle characteristics Median particle size 9.2 Other information No additional information. SECTION 10: Stabilit	: : : No	The product itself is vapour or dust with a Product does not pre Not applicable.	not explos air is possi esent an o	ble. xidizing	hazard.		olosible m	nixture of
Oxidising properties <u>Particle characteristics</u> Median particle size 9.2 Other information	: : : y and : No : The	The product itself is vapour or dust with a Product does not pre Not applicable. d reactivity specific test data rela	not explos air is possi esent an o	ble. xidizing ctivity a	hazard.	s product	or its ing	nixture of

Refer to protective measures listed in sections 7 and 8.

oxidising agents, strong alkalis, strong acids.

carbon oxides nitrogen oxides

: Keep away from the following materials to prevent strong exothermic reactions:

: Depending on conditions, decomposition products may include the following materials:

10.5 Incompatible materials

decomposition products

10.6 Hazardous

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

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil	LD50 Dermal	Rat	>2000 mg/kg	-
fatty acids and triethylenetetramine				
	LD50 Oral	Rat	>2000 mg/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	>4178 mg/m ³	4 hours
	mists			
	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	1.23 g/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	-
3,6-diazaoctanethylenediamin	LD50 Dermal	Rabbit	1465 mg/kg	-
	LD50 Oral	Rat	1716 mg/kg	-

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

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene Fatty acids, C18-unsatd., dimers,	Skin - Moderate irritant Eyes - Severe irritant	Rabbit Rabbit	-	24 hours 500 mg -	-
oligomeric reaction products with tall-oil fatty acids and triethylenetetramine					
	Skin - Irritant	Human	-	-	-

Conclusion/Summary	
Skin	: There are no data available on the mixture itself.
Eyes	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.

Sensitisation

Reproductive toxicity

Product/ingredient name Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine		Route of exposure	Species	Result
		skin	Mouse	Sensitising
3,6-diazaoctanethylenediamin		skin	Guinea pig	Sensitising
Conclusion/Summary				
Skin	: There are no data avai	lable on the mixtu	re itself.	
Respiratory	: There are no data avai	lable on the mixtu	re itself.	
<u>Mutagenicity</u>				
Conclusion/Summary	: There are no data avai	lable on the mixtu	re itself.	
Carcinogenicity				

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

English	(GB)
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		ogical informati			
Conclusion/Su	mmary	: There are no data a	vailable on the mixture	e itself.	
Teratogenicity		. There are no data a		a ita alf	
Conclusion/Su		: There are no data a			
	Product/ingre	dient name	Category	Route of exposure	Target organs
Information on routes of expos	•	: Not available.			
Potential acute	health effects				
Inhalation		: May cause respirate	ory irritation.		
Ingestion		: Corrosive to the dig	estive tract. Causes b	ourns.	
Skin contact		: Causes severe burr	ns. Defatting to the sk	in. May cause an all	lergic skin reaction.
Eye contact		: Causes serious eye	damage.		
Symptoms rela	ted to the phy	sical, chemical and t	oxicological characte	<u>eristics</u>	
Inhalation		: Adverse symptoms respiratory tract irrita coughing	-	<i>v</i> ing:	
Ingestion		: Adverse symptoms stomach pains	may include the follow	<i>v</i> ing:	
Skin contact		: Adverse symptoms pain or irritation redness dryness cracking blistering may occur		<i>i</i> ing:	
Eye contact		: Adverse symptoms pain watering redness	may include the follow	<i>v</i> ing:	
Delayed and im	mediate effec	<u>ts as well as chronic</u>	effects from short a	nd long-term expos	<u>sure</u>
<u>Short term ex</u>	<u>oosure</u>				
Potential imm effects	nediate	: Not available.			
Potential dela	ayed effects	: Not available.			
Long term exp	<u>osure</u>				
Potential imm effects	nediate	: Not available.			
Potential dela	ayed effects	: Not available.			
Potential chron	ic health effec	<u>ets</u>			
Not available.					
Conclusion/Su	mmary	: Not available.			
General	-		ensitized, a severe alle		rritation, cracking and/or cur when subsequently
Carcinogenici	ty	: No known significar	it effects or critical haz	zards.	
Mutagenicity		: No known significar	it effects or critical haz	zards.	
Reproductive	toxicity	: No known significar	it effects or critical haz	zards.	
Other informati	on	: Not available.			

English (GB)

Conforms ⁻ 2020/878	to Regulation (EC) No. 1907/2006	(REACH), Annex II, as amended by Commission	n Regulation (EU)
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SECTION 11: Toxicological 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.

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
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	EC10 1.78 mg/l	Algae	72 hours
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 water	Daphnia - Ceriodaphnia dubia	-

Conclusion/Summary

: There are no data available on the mixture itself.

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 days	-	-
ethylbenzene	-	79 % - Readily - 10 days	-	-

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene	-	-	Readily
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and	-	-	Not readily
triethylenetetramine			
benzyl alcohol	-	-	Readily
2,4,6-tris(dimethylaminomethyl)phenol	-	-	Not readily
ethylbenzene	-	-	Readily

12.3 Bioaccumulative potential

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

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SECTION 12: Ecological information

Product/ingredient name	LogPow	BCF	Potential
xylene	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
3,6-diazaoctanethylenediamin	-1.66 to -1.4	-	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

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.

: 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		ion of waste should be avoided or minimised wherever possible. Waste hould be recycled. Incineration or landfill should only be considered when not feasible.
Type of packaging		European waste catalogue (EWC)
Container	15 01 06	mixed packaging

English	(GB)
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SECTION 13: Disp	osal consideratio	ons	
Special precautions	taken when handli Empty containers residues may crea Do not cut, weld or	its container must be disposed of in a safe wing emptied containers that have not been cor liners may retain some product residues. Ate a highly flammable or explosive atmosphort residues at some product residues at highly flammable or explosive atmosphort and some strength and containers unless they have be	leaned or rinsed out. Vapour from product here inside the container. en cleaned thoroughly

SECTION 14: Transport information

	ADR/RID	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN3469	UN3469	UN3469
14.2 UN proper shipping name	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE
14.3 Transport hazard class(es)	3 (8)	3 (8)	3 (8)
14.4 Packing group	111	III	Ш
14.5 Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Additional information

ADR/RID	: None identified.
Tunnel code	: (D/E)
IMDG	: None identified.
ΙΑΤΑ	: 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 Transport in bulk	: Not applicable.
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

<u>Annex XIV</u>

None of the components are listed.

Substances of very high concern

None of the components are listed.

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SECTION 15: Regula	tory information		
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.		
Other national and internation			
Explosive precursors Ozone depleting substance Not listed.	: Not applicable. s (1005/2009/EU)		
15.2 Chemical safety assessment	: No Chemical Safety As	ssessment has been carried out.	
SECTION 16: Other in	nformation		
Indicates information that h	•	-	
Abbreviations and acronyms	1272/2008] DNEL = Derived No E	Labelling and Packaging Regulation [Reg ffect Level P-specific Hazard statement Effect Concentration	gulation (EC) No.
Full text of abbreviated H statements	H226Flammable IH302Harmful if svH304May be fatalH312Harmful in cH314Causes seveH315Causes skinH317May cause aH318Causes serieH319Causes serieH32Harmful if inH335May cause rH336May cause cH373May cause cH317Toxic to aqu	[:] swallowed and enters airways. htact with skin. e skin burns and eye damage. rritation. allergic skin reaction. us eye damage. us eye irritation.	
Full text of classifications [CLP/GHS]	: Acute Tox. 4 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Skin Corr. 1B Skin Corr. 1C Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1 Stort RE 2 STOT SE 3	ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUAT LONG-TERM (CHRONIC) AQUAT ASPIRATION HAZARD - Category SERIOUS EYE DAMAGE/EYE IRF SERIOUS EYE DAMAGE/EYE IRF FLAMMABLE LIQUIDS - Category FLAMMABLE LIQUIDS - Category SKIN CORROSION/IRRITATION - SKIN CORROSION/IRRITATION - SKIN CORROSION/IRRITATION - SKIN SENSITISATION - Category SKIN SENSITISATION - Category SPECIFIC TARGET ORGAN TOX EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOX	IC HAZARD - Category 3 1 RITATION - Category 1 RITATION - Category 2 2 3 Category 1B Category 1C Category 2 1 1A ICITY - REPEATED
		EXPOSURE - Category 3	

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SECTION 16: Other	r information				
History					
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Date of previous issue	: 11 September 2024				
Prepared by	: EHS				
Version	: 1.01				
Disclaimer					

<u>Disclaimer</u>

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