# SAFETY DATA SHEET

Date of issue/Date of revision

: 22 October 2024

: 5.01 Version

Europe

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

**1.1 Product identifier** 

Product name	:	SIGMACOVER 410 Y / ME HARDENER	
Product code	:	00427526	
Other means of identification			
Not available.			

1.2 Relevant identified uses of the substance or mixture and uses advised against				
Product use	: Professional applications, Used by spraying.			
Use of the substance/ mixture	: Coating.; 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

#### **Supplier**

+31 20 4075210

## **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. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361fd STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 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.

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## **SECTION 2: Hazards identification**

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

Hazard pictograms	
Signal word	: Danger
Hazard statements	<ul> <li>Flammable liquid and vapor.</li> <li>Causes severe skin burns and eye damage.</li> <li>May cause an allergic skin reaction.</li> <li>May cause respiratory irritation.</li> <li>Suspected of damaging fertility. Suspected of damaging the unborn child.</li> <li>Very toxic to aquatic life with long lasting effects.</li> </ul>
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. Avoid release to the environment.
Response	: Collect spillage.
Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> <li>P280, P210, P273, P391, P403 + P233, P501</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	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.
	May cause endocrine disruption.

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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
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	≥25 - ≤50	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 2, H411	-	[1]
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]
4-nonylphenol, branched	REACH #: 01-2119510715-45 EC: 284-325-5 CAS: 84852-15-3 Index: 601-053-00-8	≥10 - ≤25	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361fd Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 1300 mg/ kg M [Acute] = 10 M [Chronic] = 10	[1] [3]
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥10 - <20	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1] [2]
2,4,6-tris (dimethylaminomethyl) phenol	REACH #: 01-2119560597-27 EC: 202-013-9 CAS: 90-72-2	≥5.0 - ≤10	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 - ≤3.3	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412	ATE [Oral] = 1716 mg/ kg ATE [Dermal] = 1465 mg/kg	[1] [2]
Nonylphenols	EC: 294-048-1 CAS: 91672-41-2	<1.0	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 500 mg/ kg M [Acute] = 10 M [Chronic] = 10	[1]
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## **SECTION 3: Composition/information on ingredients**

			EUH071		
toluene	REACH #: 01-2119471310-51 EC: 203-625-9 CAS: 108-88-3 Index: 601-021-00-3	≤0.30	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 See Section 16 for the full text of the H statements declared above.	-	[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.

Xylene: Several REACH registrations cover the REACH registered substance with xylene isomers, ethylbenzene (and toluene). The other REACH Registrations include: 01-2119555267-33 reaction mass of ethylbenzene and m-xylene and p-xylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene. <u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance with endocrine disrupting properties

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

SUB codes represent substances without registered CAS Numbers.

## SECTION 4: First aid measures

4.1 Description of first aid m	eas	Bures
Eye contact	1	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	1	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion	1	If swallowed, seek medical advice immediately and show this 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/	<u>symptoms</u>

English (US)

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

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SECTION 4: Fi	rst aid measures		
Eye contact	: Adverse sym pain watering redness	ptoms may include the following:	
Inhalation	: Adverse sym respiratory tr coughing reduced fetal increase in fe skeletal malf	l weight etal deaths	
Skin contact	: Adverse sym pain or irritati redness dryness cracking blistering ma reduced fetal increase in fe skeletal malf	y occur I weight etal deaths	
Ingestion	: Adverse sym stomach pair reduced fetal increase in fe skeletal malfe	l weight etal deaths	

### 4.3 Indication of any immediate 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: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , 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 vapor. Runoff to sewer may create fire or explosion fire or if heated, a pressure increase will occur and the container may burs of a subsequent explosion. This material is very toxic to aquatic life with lo effects. Fire water contaminated with this material must be contained and from being discharged to any waterway, sewer or drain.	t, with the risk
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides	
5.3 Advice for firefighters		
Special precautions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the there is a fire. No action shall be taken involving any personal risk or withor training. Move containers from fire area if this can be done without risk. U spray to keep fire-exposed containers cool.	out suitable
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## SECTION 5: Firefighting measures

**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 spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialized 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 spilled 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 materials fo	r 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.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach 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 spilled product.
6.4 Reference to other sections	<ul> <li>See Section 1 for emergency contact information.</li> <li>See Section 8 for information on appropriate personal protective equipment.</li> <li>See Section 13 for additional waste treatment information.</li> </ul>

## **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. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor 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.

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	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 oxidizing 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 unlabeled 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
xylene	EU OEL (Europe, 1/2022) [xylene, mixed isomers] Absorbed
	through skin.
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 221 mg/m <sup>3</sup> .
	STEL 15 minutes: 100 ppm.
	STEL 15 minutes: 442 mg/m <sup>3</sup> .
2-methylpropan-1-ol	ACGIH TLV (United States, 7/2023)
	TWA 8 hours: 50 ppm.
	TWA 8 hours: 152 mg/m <sup>3</sup> .
ethylbenzene	EU OEL (Europe, 1/2022) Absorbed through skin.
	TWA 8 hours: 100 ppm.
	TWA 8 hours: 442 mg/m <sup>3</sup> .
	STEL 15 minutes: 200 ppm.
	STEL 15 minutes: 884 mg/m <sup>3</sup> .
3,6-diazaoctanethylenediamin	IPEL (-) Absorbed through skin.
	TWA: 1 ppm.
toluene	EU OEL (Europe, 1/2022) Absorbed through skin.
	TWA 8 hours: 192 mg/m <sup>3</sup> .
	TWA 8 hours: 50 ppm.
	STEL 15 minutes: 384 mg/m <sup>3</sup> .
	STEL 15 minutes: 100 ppm.

English (US)	Europe	7/20

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)	)
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## SECTION 8: Exposure controls/personal protection

Recommended monitoring	: Reference should be made to monitoring standards, such as the following: European
procedures	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**

Fatty acids, C18-unsatd.,	DNEL	Long term Oral	97.2 µg/kg bw/day	General population	Systemic
dimers, oligomeric reaction					
products with tall-oil fatty					
acids and triethylenetetramine					
	DNEL	Long term Dermal	97.2 μg/kg bw/day	General population	
	DNEL	Long term Inhalation	0.169 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	0.272 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.952 mg/m <sup>3</sup>	Workers	Systemic
xylene	DNEL	Long term Oral	5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	65.3 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	65.3 mg/m <sup>3</sup>	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 <sup>3</sup>	Workers	Local
	DNEL	Long term Inhalation	221 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	260 mg/m <sup>3</sup>	General population	Local
	DNEL	Short term Inhalation	260 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Short term Inhalation	442 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term Inhalation	442 mg/m <sup>3</sup>	Workers	Systemic
4-nonylphenol, branched	DNEL	Short term Oral	0.4 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	0.8 mg/m <sup>3</sup>	General population	
	DNEL	Short term Dermal	7.6 mg/kg bw/day	General population	
	DNEL	Long term Oral	0.08 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.4 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	0.5 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	1 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	3.8 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	7.5 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	15 mg/kg bw/day	Workers	Systemic
2-methylpropan-1-ol	DNEL	Long term Inhalation	55 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	310 mg/m <sup>3</sup>	Workers	Local
2,4,6-tris	DNEL	Long term Oral	0.075 mg/kg bw/day	General population	Systemic
(dimethylaminomethyl)phenol	DINEL	Long term Oral	0.075 mg/kg bw/day		Systemic
(dimetry)armiometry)prienor	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	-
	DNEL	Short term Inhalation	$0.073 \text{ mg/m}^3$	General population	
	DNEL				-
	DNEL	Long term Inhalation	$0.13 \text{ mg/m}^3$	General population Workers	
		Long term Dermal	0.15 mg/kg bw/day		Systemic
	DNEL	Long term Inhalation	$0.53 \text{ mg/m}^3$	Workers	Systemic
	DNEL	Short term Dermal	0.6 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	2.1 mg/m <sup>3</sup>	Workers	Systemic
ethylbenzene	DMEL	Long term Inhalation	442 mg/m <sup>3</sup>	Workers	Local
	DMEL	Short term Inhalation	884 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Oral	1.6 mg/kg bw/day	General population	
	DNEL	Long term Inhalation	15 mg/m³	General population	Systemic
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## **SECTION 8: Exposure controls/personal protection**

DNEL 3,6-diazaoctanethylenediaminDNEL DNEL DNELLong term Inhalation DNEL77 mg/m³ 180 mg/kg bw/day 293 mg/m³Workers WorkersSystemic Systemic3,6-diazaoctanethylenediaminDNEL DNEL DNEL DNEL DNEL DNEL Long term Dermal293 mg/m³ 28 µg/cm²Workers WorkersLocal Local Dorent Dorent DNEL DNEL Long term Dermal DNEL Long term Dermal DNEL Long term Oral DNEL Long term Dermal0.25 mg/kg bw/day O.25 mg/kg bw/day General population General population Systemic General population Local DNEL Long term Dermal DNEL Long term Dermal DNEL DNEL Long term Dermal DNEL DNEL Short term Dermal DNEL Short term Oral DNEL Short term Oral DNEL Short term Inhalation DNEL Short term Inhalation DNEL Long term Inhalation <br< th=""><th></th><th></th><th>-</th><th></th><th></th><th></th></br<>			-			
3,6-diazaoctanethylenediaminDNEL DNEL		DNEL	Long term Inhalation	77 mg/m³		Systemic
3,6-diazaoctanethylenediaminDNEL DNELLong term Dermal Long term Inhalation DNEL28 µg/cm² 0.25 mg/kg bw/day 0.29 mg/m³WorkersLocal0,11DNEL DNELLong term Inhalation DNELLong term Oral DNEL0.21 mg/kg bw/day 0.43 mg/cm²General population General populationSystemic Local0,11DNEL DNELLong term Dermal DNEL0.43 mg/cm² DNELGeneral population General populationLocal Uorkers0,12DNEL DNELLong term Inhalation DNEL1 mg/m³ DNELWorkersSystemic General population0,12DNEL DNELShort term Dermal DNEL1 mg/m³ DNELGeneral population SystemicLocal Cocal0,11DNEL DNELShort term Oral DNEL20 mg/kg bw/day 20 mg/kg bw/dayGeneral population General populationSystemic Systemic1DNEL DNELShort term Oral DNELShort term Inhalation DNEL1600 mg/m³ SistemicGeneral population SystemicSystemic Systemic1DNEL DNELLong term Inhalation DNELDNEL Long term Inhalation56.5 mg/m³ SistemicGeneral population SystemicSystemic Local1DNEL DNELLong term Inhalation DNEL192 mg/m³ UorkersGeneral population SystemicSystemic Local1DNEL DNELLong term Inhalation DNEL192 mg/m³ Com general populationSystemic LocalLocal1DNEL DNELLong term Inhalation DNEL192 mg/m³ Com general po		DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic
DNEL DNEL DNEL DNEL DNEL Long term Inhalation DNEL Long term Oral0.25 mg/kg bw/day 0.29 mg/m³General population General population General populationSystemic SystemicDNEL DNEL DNEL DNELLong term Dermal DNEL Long term Dermal0.43 mg/cm² 0.43 mg/cm²General population General populationSystemic SystemicDNEL DNEL DNELLong term Dermal DNEL DNEL0.57 mg/kg bw/day 1 mg/m³General population WorkersLocal SystemicDNEL DNEL DNEL DNELShort term Dermal DNEL Short term Oral DNEL8 mg/kg bw/day 20 mg/kg bw/day 1600 mg/m³General population General population SystemicSystemic SystemictolueneDNEL DNEL DNEL DNEL DNEL DNEL DNEL Long term Inhalation DNEL Long		DNEL	Short term Inhalation	293 mg/m³	Workers	Local
DNEL DNEL<	3,6-diazaoctanethylenediamin	DNEL	Long term Dermal	28 µg/cm²	Workers	Local
DNEL DNEL DNEL DNELLong term Oral Dong term Dermal DNEL0.41 mg/kg bw/day Ung term Dermal 0.43 mg/cm2General population General population Ung term log Ung term Dermal DNELSystemic LocalDNEL DNELLong term Dermal DNEL0.57 mg/kg bw/day 1 mg/cm2General population General population Ung term log Ung term logSystemic LocalDNEL DNELShort term Dermal DNEL1 mg/m3WorkersSystemic SystemicDNEL DNELShort term Dermal DNEL8 mg/kg bw/day 20 mg/kg bw/dayGeneral population General population SystemicSystemic SystemictolueneDNEL DNELShort term Inhalation DNEL1600 mg/m3 Stort term Inhalation DNELGeneral population SystemicSystemic SystemictolueneDNEL DNELLong term Inhalation DNELShort term Inhalation DNEL5380 mg/m3 Stort term InhalationGeneral population SystemicSystemic SystemictolueneDNEL DNELLong term Inhalation DNEL56.5 mg/m3 Stort term InhalationGeneral population SystemicSystemic LocalDNEL DNELLong term Inhalation DNEL192 mg/m3 SystemicWorkers SystemicSystemic LocalDNEL DNELLong term Inhalation DNEL192 mg/m3 SystemicWorkers General populationSystemic LocalDNEL DNELLong term Inhalation DNEL192 mg/m3 SystemicWorkers General populationSystemic LocalDNEL DNELLong term Inhalation DNEL192		DNEL	Long term Dermal	0.25 mg/kg bw/day	General population	Systemic
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DNEL Short term Inhalation 226 mg/m <sup>3</sup> General population Local		DNEL	Long term Inhalation	192 mg/m³	Workers	Systemic
		DNEL	Long term Dermal	226 mg/kg bw/day	General population	Systemic
		DNEL	Short term Inhalation	226 mg/m <sup>3</sup>	General population	Local
DNEL  Short term Inhalation   226 mg/m <sup>3</sup> General population   Systemic		DNEL	Short term Inhalation	226 mg/m <sup>3</sup>	General population	Systemic
DNEL Long term Dermal 384 mg/kg bw/day Workers Systemic					Workers	Systemic
DNEL Short term Inhalation 384 mg/m <sup>3</sup> Workers Local		DNEL	Short term Inhalation	384 mg/m³	Workers	Local
DNEL         Short term Inhalation         384 mg/m³         Workers         Systemic		DNEL	Short term Inhalation	384 mg/m³	Workers	Systemic

#### **PNECs**

Product/ingredient name	Туре	Compartment Detail	Value	Method Detail	
Fatty acids, C18-unsatd., dimers,	-	Fresh water	0.043 mg/l	Assessment Factors	
oligomeric reaction products with tall-			-		
oil fatty acids and triethylenetetramine					
	-	Marine water	0 mg/l	Assessment Factors	
	-	Sewage Treatment Plant	3.84 mg/l	Assessment Factors	
	-	Fresh water sediment	434.02 mg/kg dwt	Equilibrium Partitioning	
	-	Marine water sediment	43.4 mg/kg dwt	Equilibrium Partitioning	
	-	Soil	86.78 mg/kg dwt	Equilibrium Partitioning	
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	
	-	Fresh water sediment	1.56 mg/kg dwt	Equilibrium Partitioning	
	-	Marine water sediment	0.156 mg/kg dwt	-	
	-	Soil	0.076 mg/kg dwt	Equilibrium Partitioning	
ethylbenzene	-	Fresh water	0.1 mg/l	Assessment Factors	
	-	Marine water	0.01 mg/l	Assessment Factors	
	-	Sewage Treatment Plant	9.6 mg/l	Assessment Factors	
	-	Fresh water sediment	13.7 mg/kg dwt	Equilibrium Partitioning	
	-	Marine water sediment	1.37 mg/kg dwt	Equilibrium Partitioning	
	-	Soil	2.68 mg/kg dwt	Equilibrium Partitioning	
	-	Secondary Poisoning	20 mg/kg	-	
toluene	-	Fresh water	0.68 mg/l	Sensitivity Distribution	
English (US) Europe 9/20					

Code : 00427526 Date of issue/Date of revision : 22 October 2024 SIGMACOVER 410 Y / ME HARDENER **SECTION 8: Exposure controls/personal protection** 0.68 mg/l Marine water Sensitivity Distribution -Sewage Treatment Plant 13.61 mg/l Sensitivity Distribution --Fresh water sediment 16.39 mg/kg dwt Equilibrium Partitioning -Marine water sediment 16.39 mg/kg dwt -

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, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Individual protection meas	ures
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. 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	: 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. 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.
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 vapor (Type A) and particulate filter P3

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

**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

<u>Appearance</u>								
Physical state	:	Liquid.						
Color	:	Not available.						
Odor	:	Amine-like. [Strong]						
Melting point/freezing point	:	Not determined.						
Boiling point or initial boiling point and boiling range	:	>37.78°C						
Flammability	:	Not determined. There are no data available on the mixture itself.						
Lower and upper explosion limit	:	Not available.						
Flash point	:	Closed cup: 27°C						
Auto-ignition temperature	:							
		Ingredient name		°C	°	F	Method	
		3,6-diazaoctanethylened	iamin	337.78	64	0		
Decomposition temperature pH	:	Stable under recominion Not applicable. insol		-	ind handlir	ng conditior	ns (see Sec	tion 7).
Viscosity	:	Dynamic (room tem Kinematic (room ten Kinematic (40°C): >2	nperature)					
Viscosity	:	60 - 100 s (ISO 6mn	n)					
Solubility	:							
Media		Result						
cold water		Not soluble						
Partition coefficient n-octanol/ water (log Pow)	:	Not applicable.						1
Vapor pressure	:		Vapo	r Press	ure at 20°	c v	apor press	ure at 50°C
		Ingredient name	mm Hg	kPa	Method	d mm Hg	kPa	Method
		2-methylpropan-1-ol	<12.00102	<1.6	DIN EN 13016-2			
Relative density	:	0.91			-	·	·	
Particle characteristics								
Median particle size	:	Not applicable.						
9.2 Other information								
9.2.1 Information with regard to	o pł	nysical hazard class	es					
Explosive properties	:							
Frailiah (US)								44/20

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SECTION 9: Physic	al and chemical properties
	The product itself is not explosive, but the formation of an explosible mixture of vapor or dust with air is possible.
Oxidizing properties No additional information.	: Product does not present an oxidizing hazard.
SECTION 10: Stabil	ity 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	<ul> <li>Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.</li> </ul>
10.6 Hazardous	: Depending on conditions, decomposition products may include the following materials

## **SECTION 11:** Toxicological information

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

carbon oxides nitrogen oxides

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

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

Suspected of damaging fertility. Suspected of damaging the unborn child.

May cause respiratory irritation.

### Acute toxicity

decomposition products

Product/ingredient name	Result	Species	Dose	Exposure		
<b>F</b> atty acids, C18-unsatd., dimers,	LD50 Dermal	Rat	>2000 mg/kg	-		
oligomeric reaction products with tall-oil						
fatty acids and triethylenetetramine						
	LD50 Oral	Rat	>2000 mg/kg	-		
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-		
	LD50 Oral	Rat	4.3 g/kg	-		
4-nonylphenol, branched	LD50 Dermal	Rabbit	2.14 g/kg	-		
	LD50 Oral	Rat	1300 mg/kg	-		
2-methylpropan-1-ol	LC50 Inhalation Vapor	Rat	24.6 mg/l	4 hours		
	LD50 Dermal	Rabbit	2460 mg/kg	-		
	LD50 Oral	Rat	2830 mg/kg	-		
2,4,6-tris(dimethylaminomethyl)phenol	LD50 Dermal	Rat	1280 mg/kg	-		
	LD50 Oral	Rat	1200 mg/kg	-		
ethylbenzene	LC50 Inhalation Vapor	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	-		
toluene	LC50 Inhalation Vapor	Rat	49 g/m³	4 hours		
	LD50 Dermal	Rabbit	8.39 g/kg	-		
English (US)	English (US) Europe 12/20					

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LD50	Oral	Rat	5580 mg/kg	-			

#### Acute toxicity estimates

Route	ATE value		
Øral	4998.31 mg/kg		
Dermal	5293.97 mg/kg		
Inhalation (vapors)	42.43 mg/l		

## Conclusion/Summary

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

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	Eyes - Severe irritant	Rabbit	-	-	-
	Skin - Irritant	Human	-	-	-
xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
4-nonylphenol, branched	Skin - Erythema/Eschar	Rabbit	4	-	-

#### **Conclusion/Summary**

Skin Eyes

Respiratory

- : Causes severe burns.
- : Causes serious eye damage.
  - Based on available data, the classification criteria are not met.

#### **Respiratory or skin sensitization**

Product/ingredient name	Route of exposure	Species	Result
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine		Mouse	Sensitizing
		Guinea pig	Sensitizing

#### **Conclusion/Summary**

Skin

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

#### Respiratory Mutagenicity

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

#### **Carcinogenicity**

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

#### **Reproductive toxicity**

Suspected of damaging fertility. Suspected of damaging the unborn child.

#### Specific target organ toxicity (single exposure)

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

Conclusion/Summary

May cause respiratory irritation.

Specific target organ toxicity (repeated exposure)

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## **SECTION 11: Toxicological information**

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

#### **Conclusion/Summary**

4 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
toluene	ASPIRATION HAZARD - Category 1

#### **Conclusion/Summary**

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

Information on the likely routes of exposure	: Not available.	
Potential acute health effect	<u>s</u>	
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	on.
Eye contact	: Causes serious eye damage.	
Symptoms related to the phy	ysical, chemical and toxicological characteristics	
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing reduced fetal weight increase in fetal deaths skeletal malformations	
Ingestion	: Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations	
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations	
Eye contact	: Adverse symptoms may include the following: pain watering redness	
Delayed and immediate effe	<u>cts and also chronic effects from short and long term exposure</u>	
Short term exposure		
Potential immediate effects	: No known significant effects or critical hazards.	
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## **SECTION 11: Toxicological information**

Potential delayed effects	own significant effects or critical hazards.	
<u>Long term exposure</u>		
Potential immediate	own significant effects or critical hazards.	
effects		
Potential delayed effects	own significant effects or critical hazards.	
Potential chronic health effe		
General	ged or repeated contact can defat the skin and titis. Once sensitized, a severe allergic reaction ed to very low levels.	
Carcinogenicity	own significant effects or critical hazards.	
Mutagenicity	own significant effects or critical hazards.	
Reproductive toxicity	cted of damaging fertility. Suspected of damagi	ng the unborn child.
Other information	s digestive tract burns. Prolonged or repeated on on. Repeated exposure to high vapor concentra- atory system and permanent brain and nervous aerosol concentrations above the recommender ches, drowsiness and nausea and may lead to t with skin and clothing. Exposure to amine vap ent corneal edema described as blue haze, hald al hours. This condition is typically temporary and effects. When the proper eye protection specific ficantly reduced and the condition has not been	tions may cause irritation of the system damage. Inhalation of d exposure limits causes unconsciousness or death. Avoid for has been reported to cause effect, foggy or blurred vision for ad does not cause permanent ied in Section 8 is worn, exposure

#### **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
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	EC10 1.78 mg/l	Algae	72 hours
4-nonylphenol, branched	Acute EC50 0.044 mg/l	Crustaceans - Moina macrocopa	48 hours
	Acute LC50 0.221 mg/l	Fish	96 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	Daphnia -	-
	water	Ceriodaphnia dubia	
Nonylphenols	Acute LC50 0.017 mg/l	Fish - Pleuronectes americanus	96 hours

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## **SECTION 12: Ecological information**

Conclusion/Summary

: Very toxic 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	ays	-	-
ethylbenzene	-	79 % - Readily - 10 days	S	-	-
Product/ingredient name		Aquatic half-life	Photo	olysis	Biodegradability
Atty acids, C18-unsatd., dime reaction products with tall-oil fa triethylenetetramine		-	-		Not readily
xylene		-	-		Readily
2,4,6-tris(dimethylaminomethy	l)phenol	-	-		Not readily
ethylbenzene toluene		-	-		Readily Readily

#### **12.3 Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
<b>x</b> ylene	3.12	7.4 to 18.5	Low
4-nonylphenol, branched	5.4	251.19	Low
2-methylpropan-1-ol	1	-	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
toluene	2.73	8.32	Low

#### 12.4 Mobility in soil

Soil/water partition coefficient (K <sub>oc</sub> )	: 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

May cause endocrine disruption.

#### **12.7 Other adverse effects**

No known significant effects or critical hazards.

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## **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 minimized 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.
Hererdeue weete	

#### 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 minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	European waste catalogue (EWC)		
Container	15 01 06	mixed packaging	
Special precautions	taken when Empty conta residues ma Do not cut, v	I and its container must be disposed of in a safe way. Care should be handling emptied containers that have not been cleaned or rinsed out. iners or liners may retain some product residues. Vapor from product y create a highly flammable or explosive atmosphere inside the container. veld or grind used containers unless they have been cleaned thoroughly void dispersal of spilled material and runoff and contact with soil, waterways, ewers.	

## **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN3470	UN3470	UN3470	UN3470
14.2 UN proper shipping name	PAINT, CORROSIVE, FLAMMABLE	PAINT, CORROSIVE, FLAMMABLE	PAINT, CORROSIVE, FLAMMABLE	PAINT, CORROSIVE, FLAMMABLE
14.3 Transport hazard class(es)	8 (3)	8 (3)	8 (3)	8 (3)
14.4 Packing group	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.	(Polyamide)	Not applicable.

#### Additional information

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## **SECTION 14: Transport information**

ADR/RID	: The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
Tunnel code	: (D/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.
14.6 Special pre user	cautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 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 authorization

Annex XIV

None of the components are listed.

Substances of very high concern

Intrinsic property	Ingredient name	Status	Reference number	Date of revision
Substance of equivalent concern for environment	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	Candidate	ED/169/2012	10/29/2013
Endocrine disrupting properties for environment	4-nonylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	Candidate	ED/169/2012	12/19/2012

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product/ingredient	name	Entry Number ( REACH )
SIGMACOVER 410 4-nonylphenol, branc Nonylphenols toluene		3 46 46 48
Labeling	: Not applicable.	· · · · · · · · · · · · · · · · · · ·
xplosive precursors	Not applicable	

Explosive precursors : Not applicable. Ozone depleting substances (1005/2009/EU)

English (US)

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## **SECTION 15: Regulatory information**

Not listed.

#### Seveso Directive

This product is controlled under the Seveso Directive.

#### Danger criteria

Category

P5c E1

## 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

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

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
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.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn
	child.
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.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Full text of classifications [CLP/GHS]

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Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	AQUATIC HAZARD (ACUTE) - Category 1
Aquatic Chronic 1	AQUATIC HAZARD (LONG-TERM) - Category 1
Aquatic Chronic 2	AQUATIC HAZARD (LONG-TERM) - Category 2
Aquatic Chronic 3	AQUATIC HAZARD (LONG-TERM) - Category 3
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Eye Dam. 1	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Repr. 2	TOXIC TO REPRODUCTION - Category 2
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITIZATION - Category 1
Skin Sens. 1A	SKIN SENSITIZATION - Category 1A
STOT RE 2	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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#### **Disclaimer**

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