

SAFETY DATA SHEET



Date of issue/Date of revision

: 5 August 2026

Version

: 3.01

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

1.1 Product identifier

Product name : AMERLOCK/SIGMACOVER 400 HARDENER
Product code : 000001194604
Product type : Liquid.
Other means of identification : 00437439; 00466371 ; 00466891

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 : 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 UK CLP/GHS

 Flam. Liq. 3, H226
Skin Corr. 1B, H314
Eye Dam. 1, H318
Skin Sens. 1, H317
Carc. 2, H351
Repr. 2, H361fd
Aquatic Acute 1, H400
Aquatic Chronic 1, H410

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
See Section 16 for the full text of the H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :



Signal word : Danger

Code : 000001194604		Date of issue/Date of revision		: 5 August 2026																										
AMERLOCK/SIGMACOVER 400 HARDENER																														
SECTION 2: Hazards identification																														
Hazard statements		: Flammable liquid and vapour. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. Very toxic 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. Avoid release to the environment.																												
Response		: Collect spillage. IF INHALED: Immediately call a POISON CENTER or doctor.																												
Storage		: Not applicable.																												
Disposal		: Dispose of contents and container in accordance with all local, regional, national and international regulations. P280, P210, P273, P391, P304 + P310, 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 requirements																														
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 according to Regulation (EC) No. 1907/2006, Annex XIII		: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.																												
Other hazards which do not result in classification		: Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation.																												
SECTION 3: Composition/information on ingredients																														
3.2 Mixtures		: Mixture																												
<table><tr><th>Product/ingredient name</th><th>Identifiers</th><th>%</th><th>Classification</th><th>Type</th></tr><tr><td>4-methylpentan-2-one</td><td>REACH #: 01-2119473980-30 EC: 203-550-1 CAS: 108-10-1 Index: 606-004-00-4</td><td>≥10 - ≤16</td><td>Flam. Liq. 2, H225 Acute Tox. 4, H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336 EUH066</td><td>[1] [2]</td></tr><tr><td>Polyaminoamide</td><td>EC: Polymer CAS: 68082-29-1</td><td>≥5.0 - ≤10</td><td>Eye Dam. 1, H318</td><td>[1]</td></tr><tr><td>benzyl alcohol</td><td>REACH #: 01-2119492630-38 EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5</td><td>≥1.0 - ≤5.0</td><td>Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317</td><td>[1]</td></tr><tr><td>cyclohexanone</td><td>REACH #: 01-2119453616-35 EC: 203-631-1 CAS: 108-94-1</td><td>≥1.0 - ≤5.0</td><td>Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315</td><td>[1] [2]</td></tr></table>						Product/ingredient name	Identifiers	%	Classification	Type	4-methylpentan-2-one	REACH #: 01-2119473980-30 EC: 203-550-1 CAS: 108-10-1 Index: 606-004-00-4	≥10 - ≤16	Flam. Liq. 2, H225 Acute Tox. 4, H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336 EUH066	[1] [2]	Polyaminoamide	EC: Polymer CAS: 68082-29-1	≥5.0 - ≤10	Eye Dam. 1, H318	[1]	benzyl alcohol	REACH #: 01-2119492630-38 EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5	≥1.0 - ≤5.0	Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317	[1]	cyclohexanone	REACH #: 01-2119453616-35 EC: 203-631-1 CAS: 108-94-1	≥1.0 - ≤5.0	Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315	[1] [2]
Product/ingredient name	Identifiers	%	Classification	Type																										
4-methylpentan-2-one	REACH #: 01-2119473980-30 EC: 203-550-1 CAS: 108-10-1 Index: 606-004-00-4	≥10 - ≤16	Flam. Liq. 2, H225 Acute Tox. 4, H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336 EUH066	[1] [2]																										
Polyaminoamide	EC: Polymer CAS: 68082-29-1	≥5.0 - ≤10	Eye Dam. 1, H318	[1]																										
benzyl alcohol	REACH #: 01-2119492630-38 EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5	≥1.0 - ≤5.0	Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317	[1]																										
cyclohexanone	REACH #: 01-2119453616-35 EC: 203-631-1 CAS: 108-94-1	≥1.0 - ≤5.0	Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315	[1] [2]																										
English (GB)		United Kingdom (UK)			2/19																									

Code : 000001194604 **Date of issue/Date of revision** : 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER

SECTION 3: Composition/information on ingredients

3-aminomethyl- 3,5,5-trimethylcyclohexylamine	REACH #: 01-2119514687-32 EC: 220-666-8 CAS: 2855-13-2 Index: 612-067-00-9	≥1.0 - ≤5.0	Eye Dam. 1, H318 STOT SE 3, H335 Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317	[1]
4-nonylphenol, branched	REACH #: 01-2119510715-45 EC: 284-325-5 CAS: 84852-15-3 Index: 601-053-00-8	≥1.0 - ≤5.0	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361fd Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl- 3,5,5-trimethylcyclohexylamine	EC: 500-101-4 CAS: 38294-64-3	≥1.0 - ≤5.0	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 3, H412	[1]
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥1.0 - ≤3.7	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	≥1.0 - ≤5.0	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1C, H314 Eye Dam. 1, H318	[1]
Fatty acids, tall-oil, reaction products with diethylenetriamine	EC: 263-160-2 CAS: 61790-69-0	<1.0	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 2, H373 (oral) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
Amines, polyethylenepoly-, triethylenetetramine fraction	REACH #: 01-2119487919-13 EC: 292-588-2 CAS: 90640-67-8	<1.0	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412	[1]
salicylic acid	REACH #: 01-2119486984-17 EC: 200-712-3 CAS: 69-72-7 Index: 607-732-00-5	≤0.30	Acute Tox. 4, H302 Eye Dam. 1, H318 Repr. 2, H361d	[1]
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.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Code : 000001194604	Date of issue/Date of revision : 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER	

SECTION 3: Composition/information on ingredients

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 measures

- | | |
|-----------------------------------|---|
| Eye contact | : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention. |
| Inhalation | : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. |
| Skin contact | : 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 effects

- | | |
|---------------------|--|
| Eye contact | : Causes serious eye damage. |
| Inhalation | : No known significant effects or critical hazards. |
| 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:
reduced foetal weight
increase in foetal deaths
skeletal malformations |
| Skin contact | : Adverse symptoms may include the following:
pain or irritation
redness
dryness
cracking
blistering may occur
reduced foetal weight
increase in foetal deaths
skeletal malformations |
| Ingestion | : Adverse symptoms may include the following:
stomach pains
reduced foetal weight
increase in foetal deaths
skeletal malformations |

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. |

Code : 000001194604	Date of issue/Date of revision : 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER	

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media : Do not use water jet.

5.2 Special hazards arising 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 very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products : Decomposition products may include the following materials:
carbon oxides
nitrogen oxides
halogenated compounds
metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 British standard BS 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. Avoid breathing vapour. Put on appropriate personal protective equipment. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and material for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. 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.

Code : 000001194604	Date of issue/Date of revision : 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER	

SECTION 6: Accidental release measures

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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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. 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 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.

Code : 000001194604 **Date of issue/Date of revision** : 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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).

Occupational exposure limits

Product/ingredient name	Exposure limit values
4-methylpentan-2-one	EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin. STEL 15 minutes: 416 mg/m ³ . STEL 15 minutes: 100 ppm. TWA 8 hours: 208 mg/m ³ . TWA 8 hours: 50 ppm.
cyclohexanone	EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin. STEL 15 minutes: 20 ppm. TWA 8 hours: 10 ppm. STEL 15 minutes: 82 mg/m ³ . TWA 8 hours: 41 mg/m ³ .
2-methylpropan-1-ol	EH40/2005 WELs (United Kingdom (UK), 1/2020) STEL 15 minutes: 231 mg/m ³ . STEL 15 minutes: 75 ppm. TWA 8 hours: 154 mg/m ³ . TWA 8 hours: 50 ppm.

Biological exposure indices

Product/ingredient name	Exposure indices
4-methylpentan-2-one	EH40/2005 BMGVs (United Kingdom (UK), 1/2020) BGV: 20 µmol/l, 4-methylpentan-2-one [in urine]. Sampling time: post shift.
cyclohexanone	EH40/2005 BMGVs (United Kingdom (UK), 1/2020) BGV: 2 mmol/mol creatinine, cyclohexanol [in urine]. Sampling time: post shift.

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS 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/DMELs

4-methylpentan-2-one	DNEL - General population - Long term - Dermal	Systemic	4.2 mg/kg bw/day
	DNEL - Workers - Long term - Dermal	Systemic	11.8 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	Local	14.7 mg/m ³
	DNEL - General population - Long term - Inhalation	Systemic	14.7 mg/m ³
	DNEL - Workers - Long term - Inhalation	Local	83 mg/m ³
	DNEL - Workers - Long term - Inhalation	Systemic	83 mg/m ³
	DNEL - General population - Short term - Inhalation	Local	155.2 mg/m ³
	DNEL - General population - Short term - Inhalation	Systemic	155.2 mg/m ³
	DNEL - Workers - Short term - Inhalation	Local	208 mg/m ³
	DNEL - Workers - Short term - Inhalation	Systemic	208 mg/m ³
benzyl alcohol	DNEL - General population - Long term - Oral	Systemic	4.2 mg/kg bw/day
	DNEL - General population - Long term - Oral	Systemic	4 mg/kg bw/day

Code : 000001194604

Date of issue/Date of revision

: 5 August 2026

AMERLOCK/SIGMACOVER 400 HARDENER

SECTION 8: Exposure controls/personal protection

cyclohexanone	DNEL - General population - Long term - Dermal	Systemic	4 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	Systemic	5.4 mg/m ³
	DNEL - Workers - Long term - Dermal	Systemic	8 mg/kg bw/day
	DNEL - General population - Short term - Oral	Systemic	20 mg/kg bw/day
	DNEL - General population - Short term - Dermal	Systemic	20 mg/kg bw/day
	DNEL - Workers - Long term - Inhalation	Systemic	22 mg/m ³
	DNEL - General population - Short term - Inhalation	Systemic	27 mg/m ³
	DNEL - Workers - Short term - Dermal	Systemic	40 mg/kg bw/day
	DNEL - Workers - Short term - Inhalation	Systemic	110 mg/m ³
	DNEL - General population - Short term - Dermal	Systemic	1 mg/kg bw/day
	DNEL - General population - Long term - Dermal	Systemic	1 mg/kg bw/day
	DNEL - General population - Short term - Oral	Systemic	1.5 mg/kg bw/day
	DNEL - General population - Long term - Oral	Systemic	1.5 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	Systemic	2.55 mg/m ³
	DNEL - Workers - Short term - Dermal	Systemic	4 mg/kg bw/day
	DNEL - Workers - Long term - Dermal	Systemic	4 mg/kg bw/day
	DNEL - General population - Short term - Inhalation	Systemic	5 mg/m ³
3-aminomethyl- 3,5,5-trimethylcyclohexylamine	DNEL - Workers - Long term - Inhalation	Local	10 mg/m ³
	DNEL - Workers - Long term - Inhalation	Systemic	10 mg/m ³
	DNEL - Workers - Short term - Inhalation	Local	20 mg/m ³
	DNEL - Workers - Short term - Inhalation	Systemic	20 mg/m ³
	DNEL - Workers - Short term - Inhalation	Local	0.073 mg/m ³
	DNEL - Workers - Long term - Inhalation	Local	0.073 mg/m ³
4-nonylphenol, branched	DNEL - General population - Long term - Oral	Systemic	0.3 mg/kg bw/day
	DNEL - General population - Short term - Oral	Systemic	0.3 mg/kg bw/day
	DNEL - General population - Short term - Oral	Systemic	0.4 mg/kg bw/day
	DNEL - General population - Short term - Inhalation	Systemic	0.8 mg/m ³
4,4'- Isopropylidenediphenol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane, reaction products with 3-aminomethyl- 3,5,5-trimethylcyclohexylamine	DNEL - General population - Short term - Dermal	Systemic	7.6 mg/kg bw/day
	DNEL - General population - Long term - Oral	Systemic	0.08 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	Systemic	0.4 mg/m ³
	DNEL - Workers - Long term - Inhalation	Systemic	0.5 mg/m ³
	DNEL - Workers - Short term - Inhalation	Systemic	1 mg/m ³
	DNEL - General population - Long term - Dermal	Systemic	3.8 mg/kg bw/day
	DNEL - Workers - Long term - Dermal	Systemic	7.5 mg/kg bw/day
	DNEL - Workers - Short term - Dermal	Systemic	15 mg/kg bw/day
	DNEL - General population - Long term - Oral	Systemic	50 µg/kg bw/day
	DNEL - General population - Long term - Dermal	Systemic	50 µg/kg bw/day
	DNEL - General population - Long term - Inhalation	Systemic	74 µg/m ³
	DNEL - Workers - Long term - Dermal	Systemic	0.14 mg/kg bw/day
2-methylpropan-1-ol	DNEL - Workers - Long term - Inhalation	Systemic	0.493 mg/m ³
	DNEL - General population - Long term - Inhalation	Local	55 mg/m ³
	DNEL - Workers - Long term - Inhalation	Local	310 mg/m ³
2,4,6-tris (dimethylaminomethyl) phenol	DNEL - General population - Long term - Oral	Systemic	0.075 mg/kg bw/day

Code : 000001194604 **Date of issue/Date of revision** : 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER

SECTION 8: Exposure controls/personal protection

Amines, polyethylenepoly-, triethylenetetramine fraction	DNEL - General population - Short term - Dermal	Systemic	0.075 mg/kg bw/day
	DNEL - General population - Long term - Dermal	Systemic	0.075 mg/kg bw/day
	DNEL - General population - Short term - Inhalation	Systemic	0.13 mg/m ³
	DNEL - General population - Long term - Inhalation	Systemic	0.13 mg/m ³
	DNEL - Workers - Long term - Dermal	Systemic	0.15 mg/kg bw/day
	DNEL - Workers - Long term - Inhalation	Systemic	0.53 mg/m ³
	DNEL - Workers - Short term - Dermal	Systemic	0.6 mg/kg bw/day
	DNEL - Workers - Short term - Inhalation	Systemic	2.1 mg/m ³
	DNEL - General population - Long term - Inhalation	Systemic	0.096 mg/m ³
salicylic acid	DNEL - General population - Long term - Oral	Systemic	0.14 mg/kg bw/day
	DNEL - Workers - Long term - Inhalation	Systemic	0.54 mg/m ³
	DNEL - Workers - Long term - Dermal	Systemic	2.3 mg/kg bw/day
	DNEL - General population - Long term - Oral	Systemic	1 mg/kg bw/day
	DNEL - General population - Long term - Dermal	Systemic	1 mg/kg bw/day
	DNEL - General population - Short term - Oral	Systemic	4 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	Systemic	4 mg/m ³
	DNEL - Workers - Long term - Inhalation	Local	5 mg/m ³
	DNEL - Workers - Long term - Inhalation	Systemic	5 mg/m ³

PNECs

Product/ingredient name	Compartment Detail - Method	Value
4-methylpentan-2-one 2-methylpropan-1-ol	Fresh water - Assessment Factors	0.6 mg/l
	Marine water - Assessment Factors	0.06 mg/l
	Sewage Treatment Plant - Assessment Factors	27.5 mg/l
	Fresh water sediment - Equilibrium Partitioning	8.27 mg/kg
	Marine water sediment - Equilibrium Partitioning	0.83 mg/kg
	Soil - Equilibrium Partitioning	1.3 mg/kg
	Fresh water - Assessment Factors	0.4 mg/l
	Marine water - Assessment Factors	0.04 mg/l
	Sewage Treatment Plant - Assessment Factors	10 mg/l
	Fresh water sediment - Equilibrium Partitioning	1.56 mg/kg dwt
	Marine water sediment	0.156 mg/kg dwt
	Soil - Equilibrium Partitioning	0.076 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, 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 : Chemical splash goggles and face shield.

Skin protection

Hand protection :

Code	: 000001194604	Date of issue/Date of revision	: 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER			
SECTION 8: Exposure controls/personal 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.

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.
- 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 vapour (Type A) and particulate filter P3
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

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

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** : Liquid.
- Colour** : Clear.
- Odour** : Amine-like. [Strong]
- Odour threshold** : Not available.
- Melting point/freezing point** :
- Initial boiling point and boiling range** : >37.78°C (>100°F)
- Flammability (solid, gas)** : liquid
- Upper/lower flammability or explosive limits** : Not available.
- Flash point** : Closed cup: 37°C (98.6°F)
- Auto-ignition temperature** :

Ingredient name	°C	°F	Method
Nonylphenol, branched	372	701.6	ASTM E 659

- pH** : Not applicable.

Code : 000001194604 **Date of issue/Date of revision** : 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER

SECTION 9: Physical and chemical properties

Viscosity : Not applicable. insoluble in water.
 : Dynamic (room temperature): Not available.
 Kinematic (room temperature): Not available.
 Kinematic (40°C): >21 mm²/s

Solubility(ies) :

Media	Result
cold water	Not soluble

Miscible with water : No.

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

Vapour pressure :

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
4-methylpentan-2-one	15.75128	2.1				

Relative density : 1.36

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.

Particle characteristics

Median particle size : Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of 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 metal oxide/oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Code : 000001194604

Date of issue/Date of revision

: 5 August 2026

AMERLOCK/SIGMACOVER 400 HARDENER

SECTION 11: Toxicological information

Product/ingredient name	Result	Dose / Exposure
4-methylpentan-2-one	Rat - Oral - LD50	2.08 g/kg
	Rabbit - Dermal - LD50	>5000 mg/kg
benzyl alcohol	Rat - Inhalation - LC50 Vapour	11 mg/l [4 hours]
	Rabbit - Dermal - LD50	>2000 mg/kg
	Rat - Oral - LD50	1200 mg/kg
cyclohexanone	Rat - Inhalation - LC50 Dusts and mists	>5 mg/l [4 hours]
	Rat - Oral - LD50	1800 mg/kg
	Rabbit - Dermal - LD50	1100 mg/kg
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Rat - Inhalation - LC50 Gas.	8000 ppm [4 hours]
	Rat - Oral - LD50	1030 mg/kg
	Rat - Dermal - LD50	>2000 mg/kg
4-nonylphenol, branched	Rat - Inhalation - LC50 Dusts and mists	>5.01 mg/l [4 hours]
	Rabbit - Dermal - LD50	2.14 g/kg
	Rat - Oral - LD50	1300 mg/kg
	<u>Toxic effects:</u> Liver - Other changes Blood - Hemorrhage Gross Metabolite Changes - Weight loss or decreased weight gain	
2-methylpropan-1-ol	Rat - Oral - LD50	2830 mg/kg
	Rabbit - Dermal - LD50	2460 mg/kg
	Rat - Inhalation - LC50 Vapour	24.6 mg/l [4 hours]
2,4,6-tris(dimethylaminomethyl)phenol	Rat - Dermal - LD50	1280 mg/kg
	Rat - Oral - LD50	1200 mg/kg
	<u>Toxic effects:</u> Peripheral Nerve and Sensation - Flaccid paralysis without anesthesia (usually neuromuscular blockage) Lung, Thorax, or Respiration - Dyspnea	
Amines, polyethylenepoly-, triethylenetetramine fraction	Rat - Oral - LD50	1716 mg/kg
salicylic acid	Rabbit - Dermal - LD50	1465 mg/kg
	Rat - Oral - LD50	0.891 g/kg

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

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
AMERLOCK/SIGMACOVER 400 HARDENER	6944.0	19443.7	186420.1	107.0	N/A
4-methylpentan-2-one	2080	N/A	N/A	11	N/A
benzyl alcohol	1200	N/A	N/A	N/A	N/A
cyclohexanone	1800	1100	8000	N/A	N/A
3-aminomethyl-3,5,5-trimethylcyclohexylamine	1030	N/A	N/A	N/A	N/A
4-nonylphenol, branched	1300	2140	N/A	N/A	N/A
2-methylpropan-1-ol	2830	2460	N/A	24.6	N/A
2,4,6-tris(dimethylaminomethyl)phenol	1200	1280	N/A	N/A	N/A
Fatty acids, tall-oil, reaction products with diethylenetriamine	500	N/A	N/A	N/A	N/A
Amines, polyethylenepoly-, triethylenetetramine fraction	1716	1465	N/A	N/A	N/A
salicylic acid	891	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result
4-nonylphenol, branched	Rabbit - Skin - Erythema/Eschar Irritation score: 4

Conclusion/Summary : Not available.**Skin**

: There are no data available on the mixture itself.

Code : 000001194604 **Date of issue/Date of revision** : 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER

SECTION 11: Toxicological information

Eyes : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

Sensitisation

Product/ingredient name	Test	Result
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Guinea pig - skin OECD 406	Sensitising

Conclusion/Summary

Skin : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

Mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity (single exposure)

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

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Fatty acids, tall-oil, reaction products with diethylenetriamine	Category 2	oral	-

Aspiration hazard

Not available.

Information on likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction.

Ingestion : Corrosive to the digestive tract. Causes burns.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
 pain
 watering
 redness

Inhalation : Adverse symptoms may include the following:
 reduced foetal weight
 increase in foetal deaths
 skeletal malformations

Code	: 000001194604	Date of issue/Date of revision	: 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER			

SECTION 11: Toxicological information

Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations

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

Short term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effects	
Conclusion/Summary	: Not available.
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	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: Suspected of damaging fertility. Suspected of damaging the unborn child.

Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Dose / Exposure
4-methylpentan-2-one 4-nonylphenol, branched	Acute - LC50	Fish	>179 mg/l [96 hours]
	Acute - LC50	Fish	0.221 mg/l [96 hours]
	Acute - EC50	Crustaceans - Water flea - <i>Moina macrocopa</i>	0.044 mg/l [48 hours]
	Acute - EC50	Algae - Green algae - <i>Raphidocelis subcapitata</i>	0.04 mg/l [72 hours]
	Chronic - EC10 - Fresh water	Algae - Green algae - <i>Desmodesmus subspicatus</i>	0.37 mg/l [72 hours]
2-methylpropan-1-ol 2,4,6-tris (dimethylaminomethyl)phenol	Acute - EC50	Daphnia	1100 mg/l [48 hours]
	Acute - LC50	Daphnia	>100 mg/l [48 hours]
Amines, polyethylenepoly-, triethylenetetramine fraction	Acute - LC50	Fish	>100 mg/l [96 hours]
	Acute - LC50	Fish - <i>Pimephales promelas</i>	330 mg/l [96 hours]
	Acute - EC50	Daphnia - <i>Daphnia magna</i>	31.1 mg/l [48 hours]

Code : 000001194604 **Date of issue/Date of revision** : 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER

SECTION 12: Ecological information

salicylic acid	Acute - EC50	Aquatic plants - <i>Daphnia magna</i>	20 mg/l [72 hours]
	Acute - NOEC	Crustaceans	2.5 mg/l [72 hours]
	Acute - EC50 - Fresh water	Daphnia - Water flea - <i>Daphnia longispina</i> - Neonate	1147.57 mg/l [48 hours]
	Chronic - NOEC - Fresh water	Daphnia - Water flea - <i>Daphnia magna</i> - Neonate	5.6 mg/l [21 days]

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose / Inoculum
4-methylpentan-2-one 2,4,6-tris (dimethylaminomethyl)phenol	OECD 301F OECD [Ready Biodegradability - Closed Bottle Test]	83% [28 days] - Readily 4% [28 days] - Not readily	

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
4-methylpentan-2-one benzyl alcohol 2,4,6-tris (dimethylaminomethyl)phenol	- - -	- - -	Readily Readily Not readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
4-methylpentan-2-one	1.9	-	Low
benzyl alcohol	0.87	-	Low
cyclohexanone	0.86	-	Low
3-aminomethyl-3,5,5-trimethylcyclohexylamine	0.99	-	Low
4-nonylphenol, branched	5.4	251.19 [ASTM E 1022-84]	Low
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine	-	5.13	Low
2-methylpropan-1-ol	1	-	Low
2,4,6-tris(dimethylaminomethyl)phenol	0.219	-	Low
Amines, polyethylenepoly-, triethylenetetramine fraction	-2.65	-	Low
salicylic acid	2.21 to 2.26	-	Low

12.4 Mobility in soil

Soil/water partition coefficient : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
4-methylpentan-2-one	No	N/A	N/A	No	N/A	N/A	N/A
Polyaminoamide	No	N/A	N/A	No	N/A	N/A	N/A
benzyl alcohol	No	N/A	N/A	No	N/A	N/A	N/A
cyclohexanone	No	N/A	N/A	No	N/A	N/A	N/A
3-aminomethyl-3,5,5-trimethylcyclohexylamine	No	N/A	N/A	No	N/A	N/A	N/A
4-nonylphenol, branched	No	N/A	No	Yes	No	N/A	No
4,4'-Isopropylidenediphenol, oligomeric reaction products	No	N/A	No	No	No	N/A	No

Code : 000001194604	Date of issue/Date of revision : 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER	

SECTION 12: Ecological information

with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine	No	N/A	N/A	No	N/A	N/A	N/A
2-methylpropan-1-ol	No	N/A	N/A	No	N/A	N/A	N/A
2,4,6-tris (dimethylaminomethyl) phenol	N/A	N/A	N/A	Yes	N/A	N/A	N/A
Fatty acids, tall-oil, reaction products with diethylenetriamine	No	N/A	N/A	No	N/A	N/A	N/A
Amines, polyethylenepoly-, triethylenetetramine fraction	N/A	N/A	N/A	Yes	N/A	N/A	N/A
salicylic acid							

12.6 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

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

Packaging

Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
----------------------------	--

Type of packaging	Waste catalogue
Container	15 01 06 mixed packaging

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.
----------------------------	---

Code	: 000001194604	Date of issue/Date of revision	: 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER			

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	UN2920	UN2920	UN2920	UN2920
14.2 UN proper shipping name	CORROSIVE LIQUID, FLAMMABLE, N.O.S. 4-nonylphenol, branched, 4-methylpentan-2-one)	CORROSIVE LIQUID, FLAMMABLE, N.O.S. 4-nonylphenol, branched, 4-methylpentan-2-one)	CORROSIVE LIQUID, FLAMMABLE, N.O.S. 4-nonylphenol, branched, 4-methylpentan-2-one)	Corrosive liquid, flammable, n.o.s. 4-nonylphenol, branched, 4-methylpentan-2-one)
14.3 Transport hazard class(es)	8 (3)	8 (3)	8 (3)	8 (3)
14.4 Packing group	II	II	II	II
14.5 Environmental hazards	Yes.	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	Not applicable.	(4-nonylphenol, branched)	Not applicable.

Additional information

ADR/RID	: The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
Tunnel code	: (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 ≤5 L or ≤5 kg.
IATA	: The environmentally hazardous substance mark may appear if required by other transportation regulations.

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 according to IMO instruments	: Not available.
---	------------------

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	UK (GB)/REACH
---	---------------

Annex XIV - List of substances subject to authorisation

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	-	12/19/2012

Code	: 000001194604	Date of issue/Date of revision	: 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER			

SECTION 15: Regulatory information

Explosive precursors	: Not applicable.
Ozone depleting substances	Not listed.
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)
AMERLOCK/SIGMACOVER 400 HARDENER	3
4-nonylphenol, branched	46

Labelling	: Not applicable.
Seveso Directive	This product is controlled under the Seveso Directive.
Danger criteria	
Category	P5c E1

SECTION 16: Other information

	Indicates information that has changed from previously issued version.
Abbreviations and acronyms	: ATE = Acute Toxicity Estimate GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = GB CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number SGG = Segregation Group vPvB = Very Persistent and Very Bioaccumulative

Classification	Justification
 Flam. Liq. 3, H226 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351 Repr. 2, H361fd Aquatic Acute 1, H400 Aquatic Chronic 1, H410	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method

Full text of abbreviated H statements	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
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.

Code : 000001194604	Date of issue/Date of revision : 5 August 2026
AMERLOCK/SIGMACOVER 400 HARDENER	

SECTION 16: Other information

H351	Suspected of causing cancer.
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.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of classifications

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Carc. 2	CARCINOGENICITY - Category 2
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	REPRODUCTIVE TOXICITY - 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 SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
Skin Sens. 1B	SKIN SENSITISATION - Category 1B
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

History

Date of issue/ Date of revision : 5 August 2026

Date of previous issue : 30 March 2026

Prepared by : EHS

Version : 3.01

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.