

According to directive 1907/2006/EC, 2020/878
Version 2.0 Revision date: 28-10-2024
Trade name: Apoxie® Paste - Part B Hardener

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

1.1 Product identification:

Product identifier: Apoxie® Paste - Part B Hardener
General use: Adhesive Paste
Product description: Semi-sold material Part "B" of a two part viscous system
Product form: Part B contains base material and the catalyst. Part A and B are designed to be mixed together 50:50 by weight creating a hardened item.
Product Name: Apoxie® Paste - Part B Hardener

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use: Apoxie® Paste Part "B" is part of a two part system designed to be blended together to create an adhesive medium used to permanently fill, bond, seal, customize and fabricate most materials. Tint with pigments to create the desired colour. Smooths with water to a semi-gloss finish. Apply to foam or other materials for a hard surface coat, to add texture, or embellish. Use as adhesive for many different applications.
Uses not recommended: None.

1.3 Details of the supplier of the safety data sheet:

Responsible distributor : ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
E-mail: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency phone number:

For Belgium: Call the **Poison Control Centre (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.
NHS 24 Direct For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to Directive (EC) No 1272/2008 and its amendments.

According to the Globally Harmonised Standard for Classification and Labelling (GHS), this product is considered hazardous due to the possibility of skin and eye irritation.

Skin Irritation - Category 2
Skin Sensitisation – Category 1B - Skin
Eye Irritation - Category 2
Reproductive Toxicity – Category 2
Acute Toxicity – Category 4
Hazardous to the aquatic environment - Category 2 - Chronic

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Adverse physicochemical effects and adverse effects on human health and the environment:

No additional information available.

2.2 Label elements:

Labelling in accordance with Regulation (EC) No 1272/2008 [CLP/GHS]:



Hazard pictograms:

Signal word:

Danger

Hazard statements:

H315 - Skin Irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H411 - Toxic to aquatic life with long lasting effects.

H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.

Precautions:

General:

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

Prevention:

P261 - Avoid breathing dust. (applies to sanding finished product only).

P273 - Avoid release to the environment.

P280 - Wear protective gloves when combining parts A and B together. Wear eye protection.

Answer:

P302 + 352 - If on skin: wash with plenty of water.

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.

P305 + P351 + P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P391 - Collect spillage.

Storage/Disposal:

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C.

P501 - Dispose of expired unused Part B in accordance with public waste disposal or recycle facility.

2.3 Other hazards:

Mixture has no ingredients meeting the criteria for very persistent and very bioaccumulative (vPvB) and persistent, bioaccumulative and toxic (PBT) according to Regulation (EC) No. 1907/2006, Annex XIII in a concentration of 0.1% by weight or greater.

Mixture contains components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 less than 0.1% by weight.

Phenol, 4-nonyl branched CAS 84852-15-3 is a list I endocrine disrupter.

SECTION 3: Composition and information on ingredients

3.2 Mixture:

Chemical name	CAS number EC number	Classification (Regulation (EC) No 1272/008)	Concentration (%)
Fatty acids, C-18 unsaturated dimers; with tall oil fatty acids	68082-29-1 500-191-5	Skin Irrit. 2 - H315; Eye Dam. 1 - H318; Skin Sens. 1 - H317; Aquatic Chronic 2 - H411	>47.25 - <49.87
Triethylenetetramine	112-24-3 203-950-6	Acute Tox 3 (dermal) - H311; Eye Irrit 1 - H318; Skin sens. 1 - H317;	>3.7 - <5.25

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Fatty acids, C-18 unsaturated dimers, with polyethylenepolyamines	68410-23-1 614-452-7	Aquatic 3 - H412 Skin Irrit. 2 - H315; Eye Dam. 1 - H318; Aquatic Chronic 2 - H411; Skin Sens. 1A - H317	>3.15-<4.05
Benzyl Alcohol	100-51-6 202-859-9	Acute Tox. 4 - H373; Acute Tox. 4 - H332; Eye Irrit. 2 - H319	>2.25-<4.5
Phenol, 4-nonyl branched	84852-15-3 284-325-5	Repr. 2 - H361fd; Skin Corr. 1B - H314; Acute Tox. 4 - H302; Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410; Eye Dam. 1 - H318; M-Factor M=10 M(Chronic)=10	>0.45-<0.9

For further explanation of abbreviations and hazard statements, see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures:

General first-aid measures:

Never give anything by mouth to an unconscious person.
If you feel unwell, consult a doctor.
Show the label where possible.

First aid measures after inhalation:

If symptoms occur, go outside and ventilate the room.

First-aid measures after skin contact:

After handling, wash hands with soap and water.
If irritation persists or other symptoms occur, seek medical attention.

First-aid measures after eye contact:

Remove the contact lens (if any).
Immediately flush eyes with plenty of clean water for at least 15 minutes.
If necessary, gently hold the eyelid open while rinsing.
If the irritation persists, seek medical attention.

First-aid measures after ingestion:

Risk from ingesting a single dose is expected to be low.
Monitor for digestive distress if ingestion occurs and seek medical attention if there is any distress.

Emergency room self-protection:

None required.

4.2 Main acute and delayed symptoms and effects:

Symptoms/injuries:

Under normal conditions of use not expected to present a significant hazard.

Symptoms/injuries after inhalation:

Not expected to be a primary route of exposure unless sanded after curing.
Dust is not expected to be measurable given the average size of the items created with this product.

Symptoms/injuries after skin contact:

Skin contact with unreacted two part materials is the most significant hazard.
Components are known sensitizers.
Routine use without hand protection can result in redness, irritation, dermatitis.

Symptoms/injuries after eye contact:

Not expected to be a primary route of exposure.
Dust generated from finished part sanding may create dust that is an abrasive hazard to the eyes.

Symptoms/injuries after swallowing:

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Ingestion is not considered a primary route of exposure.
If ingested, the material may create blockage.
Seek medical attention after ingestion if there is any distress.

4.3 Indication of immediate medical attention and special treatment required:

Notes for the doctor:

Uncured product can cause an allergic reaction.

Special treatment:

No special treatment suggested.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing agents:

Water mist or fine mist; dry chemical fire extinguishers; carbon dioxide fire extinguishers; foam; alcohol-resistant foam (ATC type).

Unsuitable extinguishing media:

None known.

5.2 Special hazards arising from the substance or mixture:

Hazardous combustion products:

Carbon dioxide, carbon monoxide.

5.3 Advice for firefighters:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.
For small outdoor fires, which may be easily extinguished with a portable fire extinguisher, use of protective equipment is generally unnecessary.

Additional information:

Uncured "B" is a wet material with some organic constituents.
Not expected to support combustion.
Packaging is combustible but not a significant fire hazard.

SECTION 6: Measures in case of accidental release of the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency staff

Protective equipment

Protective gloves for accidental release of uncured material.

Emergency procedures

None required.

For social workers

Personal protective equipment

Protective gloves if handling the uncured material.

6.2 Environmental precautions:

Part B is a semi-solid designed to react with Part A to create a solid, inert material.

The maximum size package is less than 1 kg and is expected to be recoverable from a spill location as a solid material.

Product is not sufficiently water soluble to disperse in water if spilled and may sink to the bottom.

Part B in unreacted form contains sufficient organic content to fuel a fire if spilled.

If using adsorbent media, use media that does not contribute to a fire or react with Part B.

6.3 Methods and materials for containment and cleaning:

For containment:

Waste material can be contained in either metal or plastic container.

To clean up:

Waste material is a semi-solid.

Scrape, shovel or otherwise gather up the material.

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Dispose as a solid waste.

Waste is not hazardous unless mixed with hazardous material(s).

Unreacted Parts A and B have a semi-solid consistency with limited water solubility.

If unused product and or final material is spilled into a water body it will sink to the bottom and appear as stone/rock in the water body.

Package size is not expected to create substantial waste in a water body.

Other information

None.

6.4 Referral to other departments:

Additional information:

Section 8.

SECTION 7: Handling and storage:

7.1 Precautions for safe use

Protective measures:

Advice on safe use:

Store at ambient temperature (20 – 23°C) and ambient pressure.

Advice on safe handling:

Store in original sealed package in a dry location not exceeding 49°C.

Keep containers sealed.

Store out of direct sunlight.

Protect package against physical damage.

Product is freeze-thaw stable.

Fire prevention:

None required.

Prevention of aerosol and dust formation:

None required.

Environmental precautions:

None required.

Advice on general occupational hygiene:

Wear protective gloves. (Nitrile is acceptable glove material in mil thicknesses that are readily available).

Wash hands thoroughly after working with the unhardened product.

When either hand sanding or mechanical sanding is being performed, wear N95, KN95, FFP2 respiratory protection or better to avoid respirable dust exposure.

Unreacted Part B does not have sufficient volatility to create a vapor hazard when working with the two parts to combine into the final reacted material.

7.2 Conditions for safe storage, including incompatibilities:

Technical measures and storage conditions:

Packaging material:

Store in original sealed package at ambient temperature (below 49°C) in a dry location.

Keep containers sealed.

Store out of direct sunlight, in a dry location.

Protect package against physical damage.

Product is freeze-thaw stable.

Requirements for storage rooms and vessels:

Storage assembly tips:

Storage class:

Combustible Solid.

Materials to avoid:

Strong acids and bases.

Temperatures greater than 93°C.

7.3 Specific end use:

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Apoxie Paste Part B is one part of a two part epoxy/clay system that is meant to be combined to produce a cured hard product.

Part B component is the hardener.

This product when combined with Part A will create a hard inert material.

SECTION 8: Exposure controls/personal protection measures

8.1 Control parameters:

Chemical	Triethylenetetraamine CAS No. 112-24-3		
Country	Limit value	Number	Comments
Austria		2.0 mg/m3	
Belgium	Limit value	2.0 mg/m3	
Bulgaria	OEL TWA	2.0 mg/m3	
France	VME		
Italy, Portugal, USA, ACGIH limit	ACGIH TLV	2.0 mg/m3	
Germany	DFG DAK	2.0 mg/m3	
Latvia	OEL TWA		
Spain	VLA-ED	2.0 mg/m3	
Czech Republic	Expzicni limity	2.0 mg/m3	
Denmark	Graensevaerdie (long-furred)		
Finland	HTP-arvo	2.0 mg/m3	
Hungary	AK-ertek	2.0 mg/m3	
Ireland	OEL TWA	0.8 mg/m3	
Lithuania	IRV	1.0 mg/m3	
Poland	NDS	1.0 mg/m3	
Romania	OEL TWA	10.0 mg/m3	
Sweden	NVG	6.0 mg/m3	
Portugal	OEL TWA	2.0 mg/m3	

Chemical	Benzyl Alcohol - CAS No. 100-51-6		
Country	Limit value	Number	Comments
Austria			
Belgium	Limit value		
Bulgaria	OEL TWA		
France	VME		
Italy, Portugal, USA, ACGIH limit	ACGIH TLV		
Germany	DFG DAK	22 mg/m3	inhalable fraction and vapour
Latvia	OEL TWA	5 mg/m3	
Spain	VLA-ED		
Czech Republic	Expzicni limity		
Denmark	Graensevaerdie (long-furred)		
Finland	HTP-arvo	45 mg/m3	
Hungary	AK-ertek		
Ireland	OEL TWA		
Lithuania	IRV		
Poland	NDS	240 mg/m3	
Romania	OEL TWA		
Sweden	NVG		
Portugal	OEL TWA		

DNEL / PNEC values

Derived no-effect exposure/predicted no-effect concentration

(Derived dose without effect / predicted concentration without effect)

Epoxy Resin - CAS 25085-99-8

DNEL	Mode	Duration	Operations	Value
Industry	Dermal	Short term	Systemic	8.3 mg/kg/day
Industry	Inhalation	Short term	Systemic	12.3 mg/kg/m3

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Industry	Dermal	Long-term	Systemic	8.3 mg/kg/day
Industry	Inhalation	Long-term	Systemic	12.3 mg/kg/m3
Consumer	Dermal	Short term	Systemic	3.6 mg/kg/day
Consumer	Inhalation	Short term	Systemic	0.75 mg/m3
Consumer	Oral	Short term	Systemic	0.75 mg/kg/day
Consumer	Dermal	Long-term	Systemic	3.6 mg/kg/day
Consumer	Inhalation	Long-term	Systemic	0.75 mg/m3

PNEC	Value
Freshwater	3 mg/l
Marine water	0.3 mg/l
Sediment (freshwater)	0.5 mg/l
Sediment (marine water)	0.5 mg/l
Intermittent release	0.013 mg/l

Fatty acids, C18-unsatd., dimers oligomeric reaction products with tall-oil fatty acids and triethylenetetramine CAS 68082-29-1

DNEL	Mode	Duration	Operations	Value
Industry	Dermal	short term	Systemic	No haz identified
Industry	Inhalation	short term	Systemic	952 ug/kg/m3
Industry	Dermal	long-term	Systemic	272 ug/kg/day
Industry	Inhalation	long-term	Systemic	12.3 mg/kg/m3
Consumer	Dermal	short term	Systemic	3.6 mg/kg/day
Consumer	Inhalation	short term	Systemic	No haz identified
Consumer	Oral	short term	Systemic	97.2 ug/kg/day
Consumer	Dermal	long-term	Systemic	97.2 ug/kg/day
Consumer	Inhalation	long-term	Systemic	169 ug/m3

PNEC	Value
Freshwater	4.34 mg/l
Marine water	434 mg/l
Sediment (freshwater)	434 mg/l
Sediment (marine water)	43.4 mg/l
Intermittent release	No data

Benzyl Alcohol - CAS No. 100-51-6

DNEL	Mode	Duration	Operations	Value
Industry	Dermal	short term	Systemic	40 mg/kg bw/day
Industry	Inhalation	short term	Systemic	110 mg/m3
Industry	Dermal	long-term	Systemic	8 mg/kg bw/day
Industry	Inhalation	long-term	Systemic	22 mg/m3
Consumer	Dermal	short term	Systemic	20 mg/kg/day
Consumer	Inhalation	short term	Systemic	27 mg/m3
Consumer	Oral	short term	Systemic	20 mg/kg bw/day
Consumer	Dermal	long-term	Systemic	4 mg/kg bw/day
Consumer	Inhalation	long-term	Systemic	5.4 mg/m3

PNEC	Value
Freshwater	1-1.02 mg/l
Marine water	100 - 102 mg/l
Sediment (freshwater)	5.27 mg/kg
Sediment (marine water)	527 ug/kg
Intermittent release	2.3 mg/l

Phenol, 4-nonyl, branched - CAS No. 84852-15-3

DNEL	Mode	Duration	Operations	Value
Industry	Dermal	short term	Systemic	15 mg/kg bw/day
Industry	Inhalation	short term	Systemic	1 mg/m3

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Industry	Dermal	long-term	Systemic	7.5 mg/kg bw/day
Industry	Inhalation	long-term	Systemic	500 ug/m3
Consumer	Dermal	short term	Systemic	7.6 mg/kg/day
Consumer	Inhalation	short term	Systemic	800 ug/m3
Consumer	Oral	short term	Systemic	400 ug/kg bw/day
Consumer	Dermal	long-term	Systemic	3.8 mg/kg bw/day
Consumer	Inhalation	long-term	Systemic	800 ug/m3

PNEC	Value
Freshwater	610 ng/l
Marine water	411 ng/l
Sediment (freshwater)	411.01 mg/kg sediment
Sediment (marine water)	41.1 mg/kg sediment
Intermittent release	41.1 ug/l

Triethylene tetraamine - CAS No. 112-24-3

DNEL	Mode	Duration	Operations	Value
Industry	Dermal	short term	Systemic	
Industry	Inhalation	short term	Systemic	5 380 mg/m3
Industry	Dermal	long-term	Systemic	570 ug/kg bw/day
Industry	Inhalation	long-term	Systemic	1 mg/m3
Consumer	Dermal	short term	Systemic	1 mg/cm2
Consumer	Inhalation	short term	Systemic	1 600 mg/m3
Consumer	Oral	short term	Systemic	20 mg/kg bw/day
Consumer	Dermal	long-term	Systemic	250 ug/kg bw/day
Consumer	Inhalation	long-term	Systemic	290 ug/m3

Mixture test data:

No data available on mixtures.

8.2 Control of exposure:

Appropriate engineering control equipment:

Not needed.

Eye and face protection:

None required.

Eye irritation won't occur unless transferred to the eyes via hand eye contact.

Skin protection:

Disposable nitrile powder free gloves minimum 3 mil thickness.

Respiratory protection:

N95/KN95/FFP2 dust mask if sanding the cured material.

Thermal hazards:

Not applicable to the material.

Managing environmental exposure:

Store in original container, seal container after removing applicable quantities.

Store away from heat.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Vapour pressure:	Not applicable
Specific gravity:	Unknown
Vapour density:	not applicable
Evaporation rate:	not applicable
Freezing point:	Freeze/thaw stable
Odour:	Slight
Appearance:	Khaki color
Physical state:	Semi-solid

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Flammability range: not applicable
 Solubility in water: Not appreciable
 pH value: Neutral
 Boiling point: not applicable
 Viscosity: Semi-solid
 Flash point: not applicable

9.2 Other information

Explosives: Not applicable
 Flammable gases: Not applicable
 Flammable aerosols: Not applicable
 Oxidising gases: Not applicable
 Gases under pressure: Not applicable
 Flammable liquids: Not applicable
 Combustible solids: Not applicable
 Self-reactive substances: Not applicable
 Pyrophoric liquids: Not applicable.
 Pyrophoric solids: Not applicable.
 Self-heating substances: Not applicable
 Oxidising liquids: Not applicable
 Oxidising solids: Not applicable
 Organic peroxides: Not applicable
 Metal corrosion: Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity:

Part B is designed to react with Part A.
 Part B, if combined with other materials, may react with them.
 Non-reactive after Parts A and B are combined and cured.

10.2 Chemical stability:

Part B is stable if kept in its original packaging and not mixed with other materials.

10.3 Possible hazardous reactions:

Parts A and B will not undergo hazardous reactions if kept in their original packaging and not mixed with other materials.

Epoxy components are designed to react with each other.

Mixing with other materials could create hazardous conditions depending on what is mixed with them.

10.4 Conditions to avoid:

Avoid combining Part B with any materials other than Part A according to manufacturer's instructions.

Avoid contact with strong acids or bases and temperatures greater than 93°C.

10.5 Chemically interacting materials:

Strong acids, or bases, and oxidizers.

10.6 Hazardous decomposition products:

Carbon dioxide, carbon monoxide, oxides of nitrogen and some organics.

Depends on nature of decomposition.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

No information on the mixture.

Information on the ingredients is given below.

Animal toxicity:

Component	Acute	Test Value	Species
Epoxy resin	Oral LD50	>5,000 mg/kg	Rat
Epoxy resin	Dermal LD50	1,110 mg/kg	Rabbit

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Epoxy resin	Inhalation LC50	>20,000 mg/kg	Rabbit
Triethylenetetraamine	Oral LD50	>5000 mg/kg	Rat
Triethylenetetraamine	Dermal LD50	>5000 mg/kg	Rabbit

Other information:

Skin corrosion/irritation:

Epoxy component is a skin sensitizer.

Eye damage/irritation:

Epoxy component is an eye irritant.

Respiratory or skin sensitisation

Epoxy component is a sensitizer.

Germ cell mutagenicity

No Component Listed.

Carcinogenicity

No Component Listed.

Reproductive toxicity

Phenol, 4-nonyl branched CAS 84852-15-3 is a Category 2

STOT-single exposure

Amorphous silicon dioxide is listed

STOT-repeated exposure

No Component Listed.

Aspiration hazard

No Component Listed.

Symptoms related to physical, chemical and toxicological characteristics

In case of ingestion:

Components are a physical hazard for ingestion and may create digestive blockage depending on the amount swallowed.

On contact with skin:

Repeated skin contact may result in sensitisation with the epoxide component.

In case of inhalation:

Not volatile in solid form.

Wet solid is not an inhalation hazard.

On eye contact:

Direct contact of material with the eye could cause redness and irritation.

11.2 Information on other hazards

Endocrine-disrupting properties

Phenol, 4-nonyl branched CAS No. 84852-15-3.

Included on the EU SVHC list 1 (Article 57(f) for release into the environment for both health and environmental effects.

This ingredient is bound in a semi-solid and not readily available for either exposure scenario.

SECTION 12: Ecological information

12.1 Toxicity:

Aquatic toxicity - applicable to Part A in uncured form.

Component	Animal	Test	Result
Epoxy Resin	Onchorhynchus mykiss	LC50 - 96 hrs	1 - 10 mg/l Chronic 2
Epoxy Resin	Bacteria	ECO (0.5 hrs)	>10 - 100 mg/l
Triethylenetetramine	Leuciscus idus	LC0 - 48 hrs	200 mg/l Chronic 3
Triethylenetetramine	Algae	IC50-72 hrs	>100 mg/l

Uncured Part B is aquatically toxic.

Cured product is insoluble in water and is not aquatically toxic.

Cured product has been used safely in aquatic environments.

12.2 Persistence and degradability:

Cured product is stable and does not biodegrade in air or water.

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Unreacted Part B has a shelf life and will gradually react to form a hard, non-reactive material.

12.3 Bioaccumulation:

Neither the cured product or its parts will bioaccumulate in aquatic organisms.

12.4 Mobility in soil:

No test data available but product will form an insoluble mass with no potential for mobility in the soil.

12.5 Results of PBT and vPvB assessment

This product contains no components that are available to the environment to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

This product does contain components considered to have environmental and health endocrine disrupting properties according to REACH Article 57 (f) or Commission delegated regulation (EU) 2017/2100 or Commission regulation (EU) 2018/605 at levels of 0.1% or higher.

Phenol, 4-nonyl branched CAS 84852-15-3 is a list 1 chemical for both health and environmental effects.

12.7 Other adverse effects:

The product is part of a two part polymeric system designed to mix together to react to form a hard material similar to stone.

If this product were to be released into the environment it has no ability to migrate and will react to form a stone-like material.

Package size and reactive properties make this product low risk to the environment.

SECTION 13: Instructions for disposal

13.1 Waste treatment methods:

For intended use:

Uncured Part B is aquatically toxic and a skin sensitiser under GHS criteria.

Dispose of unused portions of Part B in compliance with Directive 2008/98/EC.

After intended use:

Cured product is inert in the environment and does not meet the Directive 2008/98/EC.

SECTION 14: Transport information

14.1 UN number

Transport of this substance is not subject to regulations.

14.2 Proper designation of cargo according to UN model regulations

Transport of this substance is not subject to regulations.

14.3 Transport hazard class(es)

Transport of this substance is not subject to regulations.

14.4 Packing group

Transport of this substance is not subject to regulations.

14.5 Environmental hazards

Transport of this substance is not subject to regulations.

14.6 Special precautions for the user

Notes:

The transport of dangerous goods, including loading and unloading, must be carried out in accordance with regulations by personnel who have received the necessary training;

The transport classification(s) given herein are for information only, and based solely on the properties of the unpackaged material as described in this safety data sheet. Transport classifications may vary with respect to mode of transport, size of packaging and variations in regional or national regulations.

14.7 Sea transport in bulk in accordance with IMO instruments

Not applicable for product, as delivered.

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SECTION 15: Statutory information

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:

Chemical inventory status:

Ingredients listed on: TSCA, DSL, Japan and EC inventories.

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU REACH restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII):

No restrictions identified for this product.

EU Candidate List of Substances of Very High Concern for Authorisation (Article 59):

Phenol, 4-nonyl branched CAS 84852-15-3 is included on the list for endocrine disrupting properties to environment.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer:

Does not apply to this product

Regulation (EU) 2019/1021 on persistent organic pollutants

Does not apply to this product

UK REACH list of substances subject to authorisation (Annex XIV)

No ingredients are on this list.

Regulation (EU) 2019/1148 on the marketing and use of explosive precursors

Not applicable to this product.

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors

Not applicable to this product.

Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

Not applicable to this product.

Seveso III: Directive 2012/18/EU of the European Parliament and of the council on the control of major accident hazards involving dangerous substances:

Not applicable to this product.

Seveso III: Directive 2012/18/EU implemented by Control of Major Accident Hazard Regulations 2015 (COMAH)

Not applicable to this product.

Germany - Water hazard class (WGK)

Ingredients in Part B are listed as WGK class 3 components.

The ingredient percentages require listing the product in unreacted form as Class 3.

The maximum size to a water body is not expected to exceed 6.4 milligrams (maximum sized Part B package) make impact to water bodies unlikely in the event of a spill.

Parts A and B when combined transform the reactive ingredients into being materials that present no hazard to a water body.

Finished material is not a water hazard.

15.2 Chemical safety assessment:

A formal chemical safety assessment has not been performed for this product.

It is part "B" of a two part system designed to be combined with part "A" to produce a harden product similar to a stone at conclusion. The intended users are the general public. Uses will vary but will be restricted to small amounts of part A and part B being mixed together. Route of exposure is limited to skin and eye through accidental contact of eye with fingers during the mixing process. The product does not create an inhalation hazard. The exposure can be safely controlled by wearing skin protection and following this SDS. The final use produces no risk to the environment during disposal.

SECTION 16: Other information

Full text of the H statements

H302 - Harmful if swallowed

H311 - Toxic in contact with skin

H314 - Causes severe skin burns and eye damage

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H315 - Skin Irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H361f - Suspected of damaging fertility or the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Full text of other abbreviations

Acute Tox.:	Acute toxicity
Aquatic Chronic:	Chronic aquatic toxicity
Eye irritation:	Eye irritation
Skin irritation:	Skin corrosion/irritation
Skin Sens.:	Skin Sensibilisation
Repr. Tox.:	Reproductive toxicity

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - body weight; CLP - Classification, Labelling and Packaging Regulation; Regulation (EC) no. 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardisation; DSL - List of Indoor Substances (Canada); ECHA - European Chemicals Agency; EC number - EINECS number; ECx - Concentration associated with x% response; ELx - Charge associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half-Maximum Inhibitory Concentration; ICAO - International Civil Aviation Organisation; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korean Inventory of Existing Chemicals; LC50 - lethal concentration for 50% of a test population; LD50 - lethal dose for 50% of a test population (lethal dose median); MARPOL - International Convention for the Prevention of Pollution from Ships; n.. o.s.. - Not otherwise specified; NO(A)EC - No observed (negative) effect on concentration; NO(A)EL - No observed (negative) effect on Level; NOELR - No observed effect on cargo capacity; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development OECD; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, bioaccumulative and toxic substance; PICCS - Philippine Inventory of Chemicals and Chemicals; (Q)SAR - (Quantitative) Structure-Activity Relationships; REACH - Regulation (EC) no. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwanese Chemical Substances Inventory; TECl - Thailand Chemical Substances Inventory; TRGS - Technical Regulations on Hazardous Substances; TSCA - Toxic Substances Control Act (USA); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.

Further information

Training advice:
Provide proper information, instruction and training for users.

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The information in this safety data sheet is correct to the best of our knowledge at the date of issue indicated.
This information is for guidance on safe handling, use, processing, storage, transportation, disposal and release only and should not be considered a guarantee or indication of quality.