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

1.1 Product identification:

Product identifier:	Apoxie® Clay - Part A Resin
General use:	Sculpting.
Product description:	Clay-like material (Part A of a Two Part System)
Product form:	Two part system. Part A contains base material, resin, and colorant (if any). Part A and B are designed to be mixed together 50:50 by weight creating a hardened item.
Product Name:	Apoxie® Clay Native and White

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

Relevant identified use:	Apoxie® Clay is a unique 2-part clay-like material that combines the features and benefits of sculpting clay with the power of epoxy. Compatible with all types of texture and sculpting tools. Accepts paints, stains, and more for a variety of finishing options to make clay superior for modeling, assemblage art, stamping/impressions, and more.
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 Center (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 1B - Skin sensitiser

Eye Irritation - Category 2

Hazardous to the aquatic environment - Category 2 - Chronic

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: Warning
Hazard statements:
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H411 - Toxic to aquatic life with long lasting effects.
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)
P280 - Wear protective gloves when combining parts A and B together. Wear minimum N95 dust mask when sanding the cured product.
P273 - Avoid release to the environment
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:
None applicable
2.3 Other hazards:
This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Ecological information:
The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.
Toxicological information:
The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

SECTION 3: Composition and information on ingredients

3.2 Mixture:
This includes the variety of colours of Critter Clay™ , Air Fire Clay™, Spectrum® Clays - all colours of self-curing water clay.

Chemical name	CAS number EC number	Classification (Regulation (EC) No 1272/008)	Concentration (%)
Oxirane,2,2'-4-butylidene-bisphenyleneoxymethylene	25085-99-8 607-537-5	Aquatic Chronic 2 - H411; Eye irrit. 2 - H319; Skin Sens. 1 - H317	30-35
Talc (Magnesium Silicate Hydrate)	14807-96-6 238-877-9	Acute Tox 4 - H332; Eye Irrit. 2 - H319	16 – 42
Aluminum Silicate	92704-41-1	STOT RE 1 - H372	0 – 2

	296-473-8		
Quartz (Crystalline Silica)	14808-60-7 238-878-4	Acute Tox 4 - H332; Eye Irrit. 2 - H319	<0.5
Aluminum Hydroxide	21645-51-2 244-492-7	Eye Irrit. 2 - H319	0 - 0.25
Silicon Dioxide Amorphous	7631-86-9 231-545-4	STOT SE 3 - H335	0 - 0.25
Diidomethyl-paraptolysulfone	20018-09-1 243-468-3	Skin Sens. 1 - H317; Eye irrit. 2 - H319	<0.05

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:

No significant route of exposure.
If ingested, do not induce vomiting.
If discomfort or other symptoms persist, seek medical attention, referring to the label and safety data sheet.

Emergency room self-protection:

Not needed.

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 primary exposure route unless sanded after curing.
Dust is not expected to be measurable, given the average size of objects made with this product.

Symptoms/injuries after skin contact:

Skin contact with unreacted two part materials is the most significant hazard.
Components are known sensitisers.
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.
The dust released when sanding the finished product can create dust that is an eye hazard.

Symptoms/injuries after swallowing:

Ingestion is not considered a primary route of exposure.
If swallowed, the material can cause constipation.
After ingestion, seek medical attention in case of discomfort.

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 "A" is predominantly inorganic ingredients in a wet matrix and is 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:
None expected.
Packages are no larger than 1.360 kilograms and the material is a solid that adheres into a ball.
A land spill should be fully recoverable.
Material is expected to sink to the bottom of a water body and may or may not be recoverable as an intact solid material.
6.3 Methods and materials for containment and cleaning:
For containment:
Waste material can be contained in a polyethylene disposal bag.
To clean up:
Waste material is a solid.
Scrape, shovel or otherwise gather up the material.
Dispose as a solid waste.
Waste is not hazardous unless mixed with hazardous material(s).
Unreacted part A is a clay material 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.
Maximum package size is not expected to create substantial waste in the 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.
Store in original sealed package in a dry location not exceeding 49°C.
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.
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:
Non-flammable solid.
Materials to avoid:
Strong acids and bases. Temperatures greater than 93°C.
7.3 Specific end use:
Apoxie Clay Part A is one part of a two part epoxy/clay mineral system that is meant to be combined with part B to produce a cured, hard product.
Part A component contains the unreacted Bisphenol A diglycidyl ether.
This product (Part A) when combined with Part B will create a hard material used to create unfired clay items and is inert when combined.

SECTION 8: Exposure controls/personal protection measures
8.1 Control parameters:

Chemical	**Crystalline Silica CAS number 14808-60-7**		
Country	**Limit value**	**Number**	**Comments**
Austria		0.15 mg/m3	respirable aerosol
Belgium	Limit value	0.1 mg/m³	
Bulgaria	OEL TWA	0.07 mg/m3	

France	VME	0.1 mg/m³	respirable aerosol
Italy, Portugal, USA	ACGIH TLV	0.05 mg/m3	ACGIH TLV of 0.025 mg/m3 also used
Germany	DFG DAK	0.05 mg/m3	assessment criterion reference value
Latvia	OEL TWA		
Spain	VLA-ED	0.1 mg/m³	inhalable aerosol
Czech Republic	Expzicni limity	0.1 mg/m³	respirable fraction
Denmark	Graensevaerdie (langvarig)	0.3 mg/m³ 0.1 mg/m³	respirable aerosol
Finland	HTP-arvo	0.05 mg/m³	respirable fraction
Hungary	AK-ertek	0.15 m/m³	
Ireland	OEL TWA	0.1 mg/m³	
Lithuania	IRV	0.1 mg/m³	
Poland	NDS	0.1 mg/m³	
Romania	OEL TWA	0.1 mg/m³	
Sweden	NVG	0.1 mg/m³	respirable fraction
Portugal	OEL TWA	0.025 mg/m3	

Chemical	**Titanium dioxide (CAS No 13463-67-7)**		
Country	**Limit value**	**Number**	**Comments**
Austria			
Belgium	Limit value	10 mg/m³	
Bulgaria	OEL TWA		
France	VME	11 mg/m³	
Italy, Portugal, USA, ACGIH limit	ACGIH TLV		
Germany	DFG DAK	0.3 mg/m³	Respirable fraction except ultrafine particles
Latvia	OEL TWA	10 mg/m³	
Spain	VLA-ED		
Czech Republic	Expzicni limity		
Denmark	Graensevaerdie (long-furred)	6 mg/m³	Total dust
Finland	HTP-arvo		
Hungary	AK-ertek		
Ireland	OEL TWA	10 mg/m³	
Lithuania	IRV		
Poland	NDS	10 mg/m³	
Romania	OEL TWA	10 mg/m³	
Sweden	NVG	5 mg/m³	Inhalable aerosol
Portugal	OEL TWA		

Chemical	**Talc (CAS No 14807-96-6)**		
Country	**Limit value**	**Number**	**Comments**
Austria		2.0 mg/m³	respirable aerosol
Belgium	Limit value	2.0 mg/m³	respirable aerosol; asbestos-free
Bulgaria	OEL TWA		
France	VME		
Italy, Portugal, USA, ACGIH limit	ACGIH TLV		
Germany	DFG DAK	2.0 mg/m3	respirable aerosol
Latvia	OEL TWA	4.0 mg/m³	
Spain	VLA-ED	2.0 mg/m³	
Czech Republic	Expzicni limity		
Denmark	Graensevaerdie (langvarig)		
Finland	HTP-arvo	0.5 fibres/cm³	
Hungary	AK-ertek		
Ireland	OEL TWA	10.0 mg/m³	respirable aerosol; asbestos-free
Lithuania	IPRV		
Poland	NDS		
Romania	OEL TWA		
Sweden	NVG	2.0 mg/m3	respirable aerosol
Portugal	OEL TWA		

Chemical	Kaolin - CAS Number 1332-58-7		
Country	**Limit value**	**Number**	**Comments**
Austria			
Belgium	Limit value	2 mg/m3	
Bulgaria	OEL TWA		
France	VME	2 mg/m3	
Italy, Portugal, USA, ACGIH limit	ACGIH TLV		
Germany	DFG DAK		
Latvia	OEL TWA		
Spain	VLA-ED	2 mg/m³	respirable fraction
Czech Republic	Expzicni limity		
Denmark	Graensevaerdie (long-furred)	2 mg/m³	
Finland	HTP-arvo	2 mg/m³	respirable dust
Hungary	AK-ertek		
Ireland	OEL TWA	2 mg/m³	
Lithuania	IRV		
Poland	NDS	10 mg/m3	
Romania	OEL TWA		
Sweden	NVG		
Portugal	OEL TWA		

Chemical	Titanium dioxide (CAS No 13463-67-7)		
Country	**Limit value**	**Number**	**Comments**
Austria			
Belgium	Limit value	10 mg/m³	
Bulgaria	OEL TWA		
France	VME	11 mg/m³	
Italy, Portugal, USA, ACGIH limit	ACGIH TLV		
Germany	DFG DAK	0.3 mg/m³	
Latvia	OEL TWA	10 mg/m³	
Spain	VLA-ED	10 mg/m³	
Czech Republic	Expzicni limity		
Denmark	Graensevaerdie (long-furred)	6 mg/m³	
Finland	HTP-arvo		
Hungary	AK-ertek		
Ireland	OEL TWA	10 mg/m³	inhalable fraction
Lithuania	IRV		
Poland	NDS	10 mg/m³	
Romania	OEL TWA	10 mg/m³	
Sweden	NVG	5 mg/m³	
Portugal	OEL TWA		

Chemical	Mineral Oil CAS No. 8042-47-5		
Country	**Limit value**	**Number**	**Comments**
Austria			
Belgium	Limit value		
Bulgaria	OEL TWA		
France	VME		
Italy, Portugal, USA, ACGIH limit	ACGIH TLV	5 mg/m3	
Germany	DFG DAK	5 mg/m3	respirable fraction
Latvia	OEL TWA		
Spain	VLA-ED		
Czech Republic	Expzicni limity		
Denmark	Graensevaerdie (long-furred)		
Finland	HTP-arvo		
Hungary	AK-ertek		
Ireland	OEL TWA	5 mg/m3	

Lithuania	IRV		
Poland	NDS		
Romania	OEL TWA		
Sweden	NVG		
Portugal	OEL TWA		

Chemical	**Aluminum Hydroxide CAS No. 21645-51-2**		
Country	**Limit value**	**Number**	**Comments**
Austria		10 mg/m3; 5 mg/m3	inhalable fraction; respirable fraction
Belgium	Limit value		
Bulgaria	OEL TWA		
France	VME		
Italy, Portugal, USA, ACGIH limit	ACGIH TLV		
Germany	DFG DAK	4 mg/m3; 1.5 mg/m3	inhalable fraction; respirable fraction
Latvia	OEL TWA	6 mg/m3	
Spain	VLA-ED		
Czech Republic	Expzicni limity		
Denmark	Graensevaerdie (long-furred)		
Finland	HTP-arvo		
Hungary	AK-ertek		
Ireland	OEL TWA		
Lithuania	IRV		
Poland	NDS	2.5 mg/m3; 1.2 mg/m3	total dust; respirable dust
Romania	OEL TWA		
Sweden	NVG		
Portugal	OEL TWA		

Chemical	**Silica, amorphous CAS No. 7631-86-9**		
Country	**Limit value**	**Number**	**Comments**
Austria		4 mg/m3	inhalable aerosol
Belgium	Limit value	10 mg/m3	
Bulgaria	OEL TWA		
France	VME		
Italy, Portugal, USA, ACGIH limit	ACGIH TLV		
Germany	DFG DAK	0.5 mg/m3	respirable fraction
Latvia	OEL TWA	1.0 mg/m3	
Spain	VLA-ED		
Czech Republic	Expzicni limity		
Denmark	Graensevaerdie (long-furred)		
Finland	HTP-arvo	5 mg/m3	
Hungary	AK-ertek		
Ireland	OEL TWA	6 mg/m3	
Lithuania	IRV		
Poland	NDS	10 mg/m3; 2 mg/m3	inhalable fraction; respirable fraction
Romania	OEL TWA		
Sweden	NVG		
Portugal	OEL TWA		

Chemical	**Glycerol Mist CAS No. 56-81-5**		
Country	**Limit value**	**Number**	**Comments**
Austria			
Belgium	Limit value	10 mg/m3	
Bulgaria	OEL TWA		
France	VME	10 mg/m3	
Italy, Portugal, USA, ACGIH limit	ACGIH TLV		
Germany	DFG DAK	200 mg/m3	inhalable fraction
Latvia	OEL TWA		

Spain	VLA-ED	10 mg/m3	
Czech Republic	Expzicni limity		
Denmark	Graensevaerdie (long-furred)		
Finland	HTP-arvo	10 mg/m3	
Hungary	AK-ertek		
Ireland	OEL TWA	10 mg/m3	
Lithuania	IRV		
Poland	NDS	10 mg/m3	
Romania	OEL TWA		
Sweden	NVG		
Portugal	OEL TWA		

Chemical	**Propane-1,2-diol, total vapour and particulates CAS No. 57-55-6**		
Country	**Limit value**	**Number**	**Comments**
Austria			
Belgium	Limit value		
Bulgaria	OEL TWA		
France	VME		
Italy, Portugal, USA, ACGIH limit	ACGIH TLV		
Germany	DFG DAK		
Latvia	OEL TWA		
Spain	VLA-ED		
Czech Republic	Expzicni limity		
Denmark	Graensevaerdie (long-furred)		
Finland	HTP-arvo		
Hungary	AK-ertek		
Ireland	OEL TWA	470 mg/m3	
Lithuania	IRV		
Poland	NDS		
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 25068-38-6

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
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

Talc - CAS Number 14807-96-6

DNEL	Mode	Duration	Operations	Value
Consumer	Inhalation	long-term; repeated	Systemic	2.16 mg/m3
Consumer	Inhalation	acute; short term	Systemic	2.16 mg/m3
Consumer	Inhalation	long-term; repeated	Local	3.6 mg/m3
Consumer	Inhalation	acute; short term	Local	3.6 mg/m3
Consumer	Dermal	long-term; repeated	Systemic	43.2 mg/kg/day
Consumer	Dermal	long-term; repeated	Local	4.54 mg/cm2
Consumer	Oral	long-term	Systemic	160 mg/kg bw/day
Consumer	Oral	acute; short term	Systemic	160 mg/kg bw/day

Mineral Oil CAS 8042-47-5

DNEL	Mode	Duration	Operations	Value
Industry	Inhalation		Local	164.56 mg/m3
Industry	Inhalation		Systemic	

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:	Cured: 1.7 (water = 1)
Vapour density:	not applicable
Evaporation rate:	not applicable
Freezing point:	Freeze/thaw stable
Odour:	Slight
Appearance:	Depends on the color selected
Physical state:	Solid
Flammability range:	not applicable
Solubility in water:	Not appreciable
pH value:	Neutral
Boiling point:	not applicable
Viscosity:	Clay-like
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 A is designed to react with Part B.
Part A, if combined with other materials, may react with them.
Non-reactive after Parts A and B are combined.
10.2 Chemical stability:
Part A 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 A with any materials other than Part B 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	>15,000 mg/kg	Rat
Epoxy resin	Dermal LD50	23,000 mg/kg	Rabbit
White Mineral Oil	Oral LD50	>5000 mg/kg	Rat
White Mineral Oil	Inhalation LD50	>5 mg/kg - 4 hr	Rat
White Mineral Oil	Dermal LD50	>5000 mg/kg	Rabbit
Titanium dioxide	Oral LD50	>5000 mg/kg	Rat
Titanium dioxide	Inhalation LD50	>6.82 mg/l-4 hr	Rat
Talc	Dermal LD50	23,000 mg/kg	Rat
Talc	Dermal	animals developed skin dryness	Rabbit
Perlite	Oral LD50	>10 gm/kg	Rat
Perlite	chronic inhalation	226 mg/m3	guinea pigs/rats

Other information:
Skin corrosion/irritation:

Epoxy component is a skin sensitiser.
Eye damage/irritation:
Epoxy component is an eye irritant.
Carcinogenicity:
Titanium dioxide is classified as IARC Class 2B carcinogen in nanograde form.
Does not apply to this product.
Endocrine disruptors:
CAS No. 25085-99-8 epoxy A ingredient is on the EU endocrine disruptor list as a category 3.
No scientific basis for inclusion on the list.
Identified as not persistent in the environment.
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.
Low degree of 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
The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

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	1.3 mg/l Chronic
Epoxy Resin	Daphnia magna	EC50 - 48 hrs	2.1 mg/l

Uncured Part A 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.
Unreacted Part A has a shelf life and will gradually react to form a hard, non-reactive material.
12.3 Bioaccumulation:
No further information available.
12.4 Mobility in soil:
No further information available.
12.5 Results of PBT and vPvB assessment
This substance does not meet the criteria for classification as PBT or vPvB.
12.6 Endocrine disrupting properties
The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.
12.7 Other adverse effects:
No further information available.

SECTION 13: Instructions for disposal

13.1 Waste treatment methods:

For intended use:

Uncured Part A is aquatically toxic and a skin sensitiser under GHS criteria.
Dispose of unused portions of Part A 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.

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.

EU regulations:

Product contains epoxy resin with BPA.

The following EU regulations apply to BPA:

- ✓ Reach Annex XVII Restriction - Entry 66 Bisphenol A (CAS No. 80-05-7) shall not be placed on the market in thermal paper in concentrations equal to or greater than 0.02% by weight after January 2020.
- ✓ EU CLP Regulation (EC) No. 1272/2008 - Bisphenol A is classified as reproductive toxicant category 1B. Cured material contains cured epoxy resin and may contain trace levels of Bisphenol A (<0.1%).

Candidate List of Substances of very high concern for Authorisation - ECHA - 4,4'-Isopropylidenediphenol (Bisphenol A; BPA - CAS 80-05-7 - date of inclusion 12/01/2017 - Toxic for reproduction (Article 57c), Endocrine disrupting properties (Article 57(f) - environment; Endocrine disrupting properties (Article 57(f) - human health).

Germany - Water hazard class (WGK)

Ingredients in Part A are listed as WGK class 3 components. The components in unreacted form Part A require listing as a class 3, however, small size of a package make it unlikely it would have serious impact to a water body. Parts A and B when combined transform the reactive ingredients causing the class 3 designation into benign materials that present no hazard to a water body. Finished material is not a water hazard.

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out.

SECTION 16: Other information

Full text of the H statements

H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H372 - Causes damage to organs through prolonged or repeated exposure
H411 - Toxic 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
STOT RE:	Specific target organ toxicity - repeated exposure
STOT SE:	Specific target organ toxicity - single exposure

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; AIIC - 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 or 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; TECI - 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.

Classification of the preparation: **Classification procedure:**

Skin Irrit. 1B	H317	Calculation method
Eye Irrit. 2	H319	Calculation method
Aquatic Chronic 2	H411	Calculation method

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.