

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

### 1.1 Product identifier

**Techno Stick Wood**

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

#### 1.2.1 Relevant uses

Adhesive

#### 1.2.2 Uses advised against

None known.

### 1.3 Details of the supplier of the safety data sheet

#### Company

TECHNIQUA HANDELS GmbH  
Hartleitnerstraße 3  
A-4653 Eberstälz  
Tel: +43 (0) 7241 213 79  
E-Mail: office@techniqua.at

### 1.4 Emergency telephone number

Poisoning Information Centre (VIZ), Stubenring 6, A-1010 Vienna  
Emergency call 0-24 hrs: +43 1 406 43 43  
Office hours: Monday to Friday, 8 to 16 hrs, Tel.: +43 1 406 68 98

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

Skin Irrit. 2: H315 Causes skin irritation.  
Eye Irrit. 2: H319 Causes serious eye irritation.  
Skin Sens. 1: H317 May cause an allergic skin reaction.  
Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

#### Hazard pictograms



#### Signal word

WARNING

#### Contains:

Reaction products of pentaerythritol, propoxylated and 1-chloro-2,3-epoxypropane with hydrogen sulfide

Bis-[4-(2,3-epoxipropoxy)phenyl]propane

#### Hazard statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P280 Wear protective gloves / eye protection / face protection.  
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.  
P501 Dispose of contents/container in accordance with local/national regulation.

#### Special labelling

EUH205 Contains epoxy constituents. May produce an allergic reaction.  
EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

## 2.3 Other hazards

### Human health dangers

People who are allergic to epoxide should avoid the use of the product.

### Other hazards

Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
10 - < 20	Bis-[4-(2,3-epoxipropoxy)phenyl]propane CAS: 1675-54-3, EINECS/ELINCS: 216-823-5, EU-INDEX: 603-073-00-2, Reg-No.: 01-2119456619-26-0026 GHS/CLP: Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - Skin Sens. 1: H317 - Aquatic Chronic 2: H411
10 - < 20	Reaction products of pentaerythritol, propoxylated and 1-chloro-2,3-epoxypropane with hydrogen sulfide EINECS/ELINCS: 701-196-7, Reg-No.: 01-2120118957-46 GHS/CLP: Skin Sens. 1B: H317 - Aquatic Chronic 3: H412
1 - < 5	Titanium dioxide CAS: 13463-67-7, EINECS/ELINCS: 236-675-5, Reg-No.: 01-2119489379-17-XXXX
< 5	2,4,6-Tris(dimethylaminomethyl)phenol CAS: 90-72-2, EINECS/ELINCS: 202-013-9, EU-INDEX: 603-069-00-0, Reg-No.: 01-2119560597-27-XXXX GHS/CLP: Acute Tox. 4: H302 - Skin Irrit. 2: H315 - Eye Irrit. 2: H319

### Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.  
For full text of H-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Change soaked clothing.

#### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

#### Skin contact

In case of contact with skin wash off immediately with soap and water.  
Consult a doctor if skin irritation persists.

#### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

#### Ingestion

Consult a doctor immediately.  
Rinse out mouth and give plenty of water to drink.

### 4.2 Most important symptoms and effects, both acute and delayed

Irritant effects

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.  
Forward this sheet to your doctor.

**SECTION 5: Fire-fighting measures****5.1 Extinguishing media**

Suitable extinguishing media      Water spray jet.  
Dry powder.  
Carbon dioxide.  
Foam.

Extinguishing media that must not  
be used      Full water jet.

**5.2 Special hazards arising from the substance or mixture**

Risk of formation of toxic pyrolysis products.

**5.3 Advice for firefighters**

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

High risk of slipping due to leakage/spillage of product.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**6.3 Methods and material for containment and cleaning up**

Take up mechanically.  
Dispose of absorbed material in accordance within the regulations.

**6.4 Reference to other sections**

See SECTION 8+13

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

No special measures necessary if used correctly.

Do not eat, drink or smoke when using this product.  
Wash hands before breaks and after work.  
Use barrier skin cream.  
Contaminated work clothing should not be allowed out of the workplace.  
Take off contaminated clothing and wash before reuse.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep only in original container.  
Do not store together with oxidizing agents.  
Keep container tightly closed.  
Keep container in a well-ventilated place.  
Keep in a cool place.

**7.3 Specific end use(s)**

See product use, SECTION 1.2

**SECTION 8: Exposure controls / personal protection****8.1 Control parameters****Ingredients with occupational exposure limits to be monitored (GB)**

Substance
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )
CAS: 14807-96-6, EINECS/ELINCS: 238-877-9
Long-term exposure: 1 mg/m <sup>3</sup> , respirable dust
Calcium carbonate
CAS: 471-34-1, EINECS/ELINCS: 207-439-9
Long-term exposure: 10 mg/m <sup>3</sup> , inhalable dust
Titanium dioxide
CAS: 13463-67-7, EINECS/ELINCS: 236-675-5, Reg-No.: 01-2119489379-17-XXXX
Long-term exposure: 4 mg/m <sup>3</sup> , respirable; total inhalable: TWA=10 mg/m <sup>3</sup>

**DNEL**

Substance
Reaction products of pentaerythritol, propoxylated and 1-chloro-2,3-epoxypropane with hydrogen sulfide
Industrial, dermal, Long-term - systemic effects, 2.7 mg/kg bw/d (AF=90)
Industrial, inhalative, Long-term - systemic effects, 22 mg/m <sup>3</sup> (AF=6)
general population, inhalative, Long-term - systemic effects, 6.52 mg/m <sup>3</sup> (AF=10)
general population, oral, Long-term - systemic effects, 1.9 mg/kg bw/d (AF=40)
general population, dermal, Long-term - systemic effects, 1.61 mg/kg bw/d (AF=150)
Titanium dioxide, CAS: 13463-67-7
There are no DNEL values established for the substance.
Bis-[4-(2,3-epoxipropoxy)phenyl]propane, CAS: 1675-54-3
Industrial, dermal, Long-term - systemic effects, 0.75 mg/kg bw/d (AF= 100)
Industrial, inhalative, Long-term - systemic effects, 4.93 mg/m <sup>3</sup> (AF= 12.5)
general population, oral, Long-term - systemic effects, 0.5 mg/kg bw/d (AF= 100)
general population, dermal, Long-term - systemic effects, 89.3 µg/kg bw/d (AF= 200)
general population, inhalative, Long-term - systemic effects, 0.87 mg/m <sup>3</sup> (AF= 25)

**PNEC**

Substance
Reaction products of pentaerythritol, propoxylated and 1-chloro-2,3-epoxypropane with hydrogen sulfide
soil, 23 µg/kg dw
freshwater, 70 µg/L (AF=50)
seawater, 7 µg/L (AF=500)
sewage treatment plants (STP), 10 mg/L (AF=100)
sediment (seawater), 32 µg/kg dw
sediment (freshwater), 322 µg/kg dw
Titanium dioxide, CAS: 13463-67-7
There are no PNEC values established for the substance.
2,4,6-Tris(dimethylaminomethyl)phenol, CAS: 90-72-2
sewage treatment plants (STP), 0.2 mg/l (AF= 10)
seawater, 0.008 mg/l (AF= 10 000)
freshwater, 0.084 mg/l (AF= 1000)
Bis-[4-(2,3-epoxipropoxy)phenyl]propane, CAS: 1675-54-3

seawater, 0.001 mg/L (AF= 500)
freshwater, 0.006 mg/L (AF= 50)
oral (food), 11 mg/kg food (AF= 90)
sewage treatment plants (STP), 10 mg/L (AF= 10)
sediment (freshwater), 0.341 mg/kg dw
sediment (seawater), 0.034 mg/kg dw
soil, 0.065 mg/kg dw

## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: > 0,4 mm/ Butyl rubber, >480 min (EN 374-1/-2/-3). In splash contact: > 0,4 mm/ Nitrile rubber, >480 min (EN 374-1/-2/-3).
<b>Skin protection</b>	not applicable
<b>Other</b>	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Do not inhale vapours. Avoid contact with eyes and skin.
<b>Respiratory protection</b>	not applicable
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	See SECTION 6+7.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	pasty 20°C: solid
Color	see product designation
Odor	characteristic
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	No information available.
Flash point [°C]	> 100
Flammability (solid, gas) [°C]	No information available.
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/cm³]	1.9 - 2.09
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	No information available.
Kinematic viscosity	not applicable
Relative vapour density	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature [°C]	No information available.
Particle characteristics	No information available.

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See SECTION 10.3.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

### 10.4 Conditions to avoid

Strong heating.

### 10.5 Incompatible materials

See SECTION 7

## 10.6 Hazardous decomposition products

No hazardous decomposition products known.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

Product
ATE-mix, oral, > 2000 mg/kg bw
Substance
Reaction products of pentaerythritol, propoxylated and 1-chloro-2,3-epoxypropane with hydrogen sulfide
LD50, oral, Rat, 2600 mg/kg bw
Titanium dioxide, CAS: 13463-67-7
LD50, oral, Rat, > 10000 mg/kg
2,4,6-Tris(dimethylaminomethyl)phenol, CAS: 90-72-2
LD50, oral, Rat, 1916 - < 2455 mg/kg (ECHA)
LD50, oral, Rat, 2169 mg/kg bw
NOAEL, oral, Rat, 15 mg/kg bw/day
Bis-[4-(2,3-epoxipropoxy)phenyl]propane, CAS: 1675-54-3
LD50, oral, Rat, > 15 000 mg/kg bw

**Acute dermal toxicity**

Product
ATE-mix, dermal, > 2000 mg/kg bw
Substance
Reaction products of pentaerythritol, propoxylated and 1-chloro-2,3-epoxypropane with hydrogen sulfide
LD50, dermal, Rabbit, > 10 200 mg/kg bw
2,4,6-Tris(dimethylaminomethyl)phenol, CAS: 90-72-2
LD50, dermal, Rat, 1280 mg/kg (Lit.)
LD50, dermal, Rat, 1 mL/kg bw
Bis-[4-(2,3-epoxipropoxy)phenyl]propane, CAS: 1675-54-3
LD50, dermal, Rat, > 23 000 mg/kg

**Acute inhalational toxicity**

Substance
Reaction products of pentaerythritol, propoxylated and 1-chloro-2,3-epoxypropane with hydrogen sulfide
LC50, inhalative, Rat, > 0.1 mg/L (Air)
Titanium dioxide, CAS: 13463-67-7
LD50, inhalative, Rat, > 6,8 mg/l (4 h)

**Serious eye damage/irritation**

Toxicological data of complete product are not available.  
 Irritant  
 Calculation method  
 Based on the available information, the classification criteria are fulfilled.

Substance
Titanium dioxide, CAS: 13463-67-7
Eye, non-irritating

**Skin corrosion/irritation**

Toxicological data of complete product are not available.  
 Irritant  
 Calculation method



Based on the available information, the classification criteria are fulfilled.

Substance
Titanium dioxide, CAS: 13463-67-7
dermal, non-irritating

**Respiratory or skin sensitisation**

Toxicological data of complete product are not available.

Sensitizing.

Calculation method

Based on the available information, the classification criteria are fulfilled.

Substance
Titanium dioxide, CAS: 13463-67-7
inhalative, non-sensitizing
dermal, non-sensitizing

**Specific target organ toxicity — single exposure**

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

Substance
Titanium dioxide, CAS: 13463-67-7
inhalative, non-irritating

**Specific target organ toxicity — repeated exposure**

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

**Mutagenicity**

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

Substance
Titanium dioxide, CAS: 13463-67-7
in vivo, no adverse effect observed
in vitro, no adverse effect observed

**Reproduction toxicity**

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

Substance
Titanium dioxide, CAS: 13463-67-7
NOAEL, oral, Rat, 1000 mg/kg bw/day (subchronic), no adverse effect observed

**Carcinogenicity**

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

**Aspiration hazard**

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

**General remarks**

Toxicological data of complete product are not available.

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

**11.2 Information on other hazards****Endocrine disrupting properties**

No information available.

**Other information**

none

**SECTION 12: Ecological information****12.1 Toxicity**

Substance
Reaction products of pentaerythritol, propoxylated and 1-chloro-2,3-epoxypropane with hydrogen sulfide
LC50, (96h), Danio rerio, 87 mg/L
EC50, (48h), Daphnia magna, 12 mg/L
EC50, (72h), Desmodesmus subspicatus, > 733 mg/L
NOEC, (21d), Daphnia magna, 3.5 mg/L
NOEC, (72h), Desmodesmus subspicatus, 388 mg/L
Titanium dioxide, CAS: 13463-67-7
LC0, (48h), Leuciscus idus, > 1000 mg/l
2,4,6-Tris(dimethylaminomethyl)phenol, CAS: 90-72-2
LC50, (96h), fish, 175 mg/L
EC50, (72h), Algae, 84 mg/L
EC50, (96h), Daphnia magna, 718 mg/L
NOEC, (28d), soil macro-organism, 2 mg/L
Bis-[4-(2,3-epoxipropoxy)phenyl]propane, CAS: 1675-54-3
LC50, (96h), fish, 2 mg/L
EC50, (48h), Daphnia magna, 1.8 mg/L

**12.2 Persistence and degradability****Behaviour in environment compartments**

Behaviour in sewage plant No information available.

Biological degradability No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Endocrine disrupting properties**

No information available.

**12.7 Other adverse effects**

Do not discharge product unmonitored into the environment or into the drainage.  
Based on the available information, the classification criteria are fulfilled.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**

Dispose of as hazardous waste.  
Disposal in an incineration plant in accordance with the regulations of the local authorities.

**Waste no. (recommended)** 080409\*

**Contaminated packaging**

Packaging that cannot be cleaned should be disposed of as for product.  
Uncontaminated packaging may be taken for recycling.

**Waste no. (recommended)** 150110\* packaging containing residues of or contaminated by hazardous substances

**SECTION 14: Transport information****14.1 UN number or ID number**

**Transport by land according to ADR/RID** not applicable

**Inland navigation (ADN)** not applicable

**Marine transport in accordance with IMDG** not applicable

**Air transport in accordance with IATA** not applicable

**14.2 UN proper shipping name**

**Transport by land according to ADR/RID** NO DANGEROUS GOODS

**Inland navigation (ADN)** NO DANGEROUS GOODS

**Marine transport in accordance with IMDG** NOT CLASSIFIED AS "DANGEROUS GOODS"

**Air transport in accordance with IATA** NOT CLASSIFIED AS "DANGEROUS GOODS"

**14.3 Transport hazard class(es)**

**Transport by land according to ADR/RID** not applicable

**Inland navigation (ADN)** not applicable

**Marine transport in accordance with IMDG** not applicable

**Air transport in accordance with IATA** not applicable

**14.4 Packing group**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.5 Environmental hazards**

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EEC-REGULATIONS** 2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014

**TRANSPORT-REGULATIONS** ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2022)

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.

- Observe employment restrictions for people Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.

- VOC (2010/75/CE) not applicable

**15.2 Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****16.1 Hazard statements (SECTION 3)**

H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H302 Harmful if swallowed.

**16.2 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 ATE = acute toxicity estimate  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 EL50 = Median effective loading  
 ELINCS = European List of Notified Chemical Substances  
 EmS = Emergency Schedules  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 IVIS = In vitro irritation score  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 LC0 = lethal concentration, 0%  
 LOAEL = lowest-observed-adverse-effect level  
 LL50 = Median lethal loading  
 LQ = Limited Quantities  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 NOAEL = No Observed Adverse Effect Level  
 NOEC = No Observed Effect Concentration  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 STP = Sewage Treatment Plant  
 TLV®/TWA = Threshold limit value – time-weighted average  
 TLV®STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

**16.3 Other information****Customs Tariff**

39073000

**Classification procedure**

Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)  
 Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)  
 Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)  
 Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. (Calculation method)

**Modified position**

SECTION 2 been added: EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.