Material Safety Data Sheet

Completed **01-01-2025**
Revision: (date) **-**
SDS version **1.0**

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

1.1. Product Identifier

Trade Name: Teqpox® SL 440 A-Komponent; Vespox® SL 300 A-Komponent
Product- no.: -
UFI: S710-G0WQ-E00S-3VN4

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

Recommended uses:
Epoxy coating for industrial floors.

The product is part of a 2-component system. Conformity with safety data sheet for both components when mixing with other component.

Uses advised against:
This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address:
Teqcoat A/S
Fabriksvej 12
DK-6920 Videbæk
tlf: +45 88 27 10 00
www.teqcoat.dk

Contact person and E-mail:
Mogens Holdgaard Info@teqcoat.dk

The Safety data sheet is completed and validated by:
Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: DH

1.4. Emergency telephone number

Use your national or local emergency number - For “First aid measures” see section 4.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008):
Skin Irrit. 2;H315
Skin Sens. 1;H317
Eye Irrit. 2;H319
Aquatic Chronic 2;H411

See full text of H-phrases in section 16.

2.2. Label elements



Signal word:
Warning

Causes skin irritation. (H315)
May cause an allergic skin reaction. (H317)
Causes serious eye irritation. (H319)
Toxic to aquatic life with long lasting effects. (H411)
Contains epoxy constituents. May produce an allergic reaction. (EUH 205)

Avoid release to the environment. (P273)
Wear protective gloves/protective clothing/eye protection/face protection. (P280)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338)
If skin irritation or rash occurs: Get medical advice/attention. (P333 + P313)
Collect spillage. (P391)

2.3. Other hazards
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Additional labelling:
-

Additional warnings
-

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	603-073-00-2 / 01-2119456619-26-xxxx	1675-54-3	216-823-5	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 2;H411 Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	20 - 30	1
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	612-067-00-9 / 01-2119454392-40-xxxx	9003-36-5	500-006-8	Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411	10 - 20	1
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	603-103-00-4 / 01-2119485289-22-xxxx	68609-97-2	271-846-8	Skin Irrit. 2;H315, Skin Sens. 1;H317	5 - 10	1
Titanium dioxide	022-006-00-2 / 01-2119489379-17-xxxx	13463-67-7	236-675-5	-	< 5	-

1) The substance is an epoxy resin.

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:
Seek fresh air.
Keep victim under observation.
Seek medical advice in case of discomfort.

Ingestion:
Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Do not induce vomiting.
Seek medical advice in case of discomfort.

Skin contact:
Immediately remove contaminated clothing.
Wash the skin thoroughly with water and continue washing for a long time.
If skin irritation or rash occurs: Get medical advice/attention.

Eye contact:
Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.

Additional information:
When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed
Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.
Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

4.3. Indication of any immediate medical attention and special treatment needed
Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Extinguish with powder, foam, carbon dioxide or water mist.
Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture
Avoid inhalation of vapour and fumes – seek fresh air.
Product decomposes in fire conditions and toxic gases such as COx may be released.
Fire will produce dense black smoke.
Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters
Send contaminated extinguishing water for destruction.
If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
See section 8 for type of protective equipment.
Avoid breathing and contact with skin and eyes.

6.2. Environmental precautions
Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.
Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up
Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers.

6.4. Reference to other sections
See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
See section 8 for information about precautions for use and personal protective equipment.
Use the product under well-ventilated conditions.
Individuals suffering from asthma or eczema and individuals with known, chronic lung disease or excessively sweaty palms (hyperhidrosis manuum) should not work with the product.

7.2. Conditions for safe storage, including any incompatibilities
The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.
Keep in tightly closed original packaging.
Store cold, but frost-free.

7.3. Specific end use(s)
See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Indicative occupational exposure limit value (IOELV)

Substance	**exposure limit mg/m³ / ppm**	**exposure limit mg/m³ / ppm**	**Note**
Bisphenol A (dust)	10 / -	- / -	-

DNEL/PNEC-values:
DNEL 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

	Workers	**Consumers**
Inhalation - Chronic Systemic	4,93 mg/m³	0,87 mg/m³
Dermal - Chronic Systemic	0,75 mg/kg bw/day	89,3 µg/kg bw/day
Oral - Chronic Systemic	-	0,5 mg/kg bw/day

DNEL Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

	Workers	**Consumers**

Inhalation - Chronic Systemic	3,6 mg/m³	0,87 mg/m³
Dermal - Chronic Systemic	1 mg/kg bw/day	0,5 mg/kg bw/day
Oral - Chronic Systemic	-	0,5 mg/kg bw/day

DNEL Titanium dioxide

	Workers	Consumers
Inhalation - Chronic Local	1,25 mg/m³	210 µg/m³

PNEC 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

Fresh water	0,006 mg/L
Intermittent releases (Fresh water)	0,018 mg/L
Marine water	0,001 mg/L
Intermittent releases (Marine water)	0,002 mg/L
Soil	0,065 mg/kg soil dw

PNEC Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Fresh water	0,106 mg/L
Intermittent releases (Fresh water)	0,072 mg/L
Marine water	0,011 mg/L
Soil	1,234 mg/kg soil dw

8.2. Exposure controls
There are no exposure scenarios for this product.

Appropriate engineering controls:
Wear the personal protective equipment specified below.
Wash hands before breaks, before using restroom facilities, and at the end of work.
Do not eat, drink or smoke when using this product.

Personal protective equipment:



Respiratory protection:
In case of insufficient ventilation, wear respiratory protective equipment with A2/P2 filter.
Respiratory protective equipment shall comply with one of the following standards: EN 136/140/145.

Hand protection:
Wear protective gloves made of nitrile rubber (> 0,11 mm). Protective gloves conforming to EN 374.
Penetration time: > 240 min

Eye/face protection:
Wear safety goggles/face protection.
Eye protection conforming to EN 166.

Skin protection:
Wear suitable protective clothing.

Environmental exposure controls:
Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	-
Odour:	-
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm2/s):	-
Solubility:	Not soluble in water
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-

Density and/or relative density:	1,45 - 1,7
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data.

10.2. Chemical stability
The product is stable when used in accordance with the supplier's directions.
Hardening time for the product is 5 days at 20 °C.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
Avoid heating and contact with ignition sources.

10.5. Incompatible materials
Avoid contact with strong bases.
Avoid contact with strong oxidising agents.
Avoid contact with strong reducing agents.
Avoid contact with strong acids.

10.6. Hazardous decomposition products
Cured materials may decompose and release hazardous gases at temperatures above 150° C.

SECTION 11: Toxicological information

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

Acute toxicity:
Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	Oral	Rat	LD50	> 2000 mg/kg bw
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	Dermal	Rat	LD50	> 2000 mg/kg bw
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	Oral	Rat	LD50	ca 30,1 mL/kg bw
Titanium dioxide	Inhalation	Rat	LC50/ 4 Hours	3,43 mg/L air

Skin corrosion/irritation:
Irritating to skin – may cause reddening.

Serious eye damage/irritation:
Irritating to eyes. Causes a burning sensation and tearing.

Respiratory or skin sensitisation:
May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration – often slowly developing.

Germ cell mutagenicity:
Based on the existing data, the classification is not met.

Carcinogenicity:
Based on the existing data, the classification is not met.

Reproductive toxicity:
Based on the existing data, the classification is not met.

STOT-single exposure:
Based on the existing data, the classification is not met.

STOT-repeated exposure:
Based on the existing data, the classification is not met.

Aspiration hazard:
Based on the existing data, the classification is not met.

11.2. Information on other hazards
Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	96 Hours	Fish	LC50	1,5 mg/L
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	48 Hours	Daphnia	LC50	1,1 mg/L
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	72 Hours	Algae	EC50	9,4 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	No	OECD Guideline 301 F	28 Days 5%
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	Yes	OECD Guideline 301 F	28 Days 87%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	Yes	2,64 - 3,78
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	Yes	3,77

12.4. Mobility in soil
Test data are not available.

12.5. Results of PBT and vPvB assessment
The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties
Test data are not available.

12.7. Other adverse effects
Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
The product is covered by the regulations on dangerous waste.
Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.
Hardened product is non-hazardous waste according to waste regulations. Contact the local authorities for instructions on handling. Use the below code for waste registration.

EWC-Code	Description
16 05 06	Laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals
20 01 27	Paint, inks, adhesives and resins containing hazardous substances

Specific labelling:
Epoxy waste. Be careful! Risk of eczema!

Contaminated packaging:
Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

SECTION 14: Transport information

The product is covered by the rules for transport of dangerous goods.
According to ADR and IMDG substances/products covered by UN 3077/UN 3082 are not regarded as dangerous goods if carried in quantities of less than 5 kg (or 5 L) due to SP 375 (ADR) and 2.10.2.7 (IMDG).

14.1 -14.4.
ADR

14.1. UN number or ID number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A diglycidyl ether, Bisphenol-f-diglycidyl ether)	9	III

IMDG/IATA

14.1. UN number or ID number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A diglycidyl ether, Bisphenol-f-diglycidyl ether)	9	III

14.5. Environmental hazards
If the quantity transported exceeds 5 kg or litre must be labelled with an environmental hazard.

14.6. Special precautions for user
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14.7. Maritime transport in bulk according to IMO instruments
Not relevant.

SECTION 15: Regulatory information

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

Sources:
Commission Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, EU 2017/164 and EU 2019/1831 (the first, second, third, fourth and fifth IOELV Directives).

Additional labelling:
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VOC:
Maximum content of VOC: < 250 g/l, VOC limit values (A/j (Sb)) 500 g/L

Restrictions for application:

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Young people above 15 years are exempted this rule, if the product is a part of an education/training.
Special care should be applied for pregnant and lactating women.

Demands for specific education:
Persons with eczema or diagnosed epoxyallergy must not work with the product.Persons with severely sweaty hands (hyperhidrosis manuum) must not work with the product.
Users of the product must have completed approved training to work with epoxy resins and isocyanates.

15.2. Chemical safety assessment
None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:
Sources:
EC regulation 1907/2006 (REACH), with amendments.
EC Regulation 1272/2008 (CLP), with amendments.
Directive 2008/98/EC
ECHA - The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
EUH 205	Contains epoxy constituents. May produce an allergic reaction.

Classification according to Regulation (EC) Nr. 1272/2008:

Skin Irrit. 2;H315	Calculation method
Skin Sens. 1;H317	Calculation method
Eye Irrit. 2;H319	Calculation method
Aquatic Chronic 2;H411	Calculation method

Abbreviations and acronyms used in the safety data sheet:
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.
CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.
CAS-Number.: Chemical Abstracts Service number.
EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).
DNEL: Derived No Effect Level.
PNEC(s): Predicted No Effect Concentration(s).
STOT: Specific Target Organ Toxicity.
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
LC50: Lethal Concentration to 50 % of a test population.
EC50: The effective concentration of substance that causes 50% of the maximum response.
PBT: Persistent, Bioaccumulative and Toxic.
vPvB: Very Persistent and Very Bioaccumulative.
NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.
NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:
New supplier information.

This material safety data sheet replaces version:
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