SAFETY DATA SHEET

Product Name: AquaSCREED EPOXY (Pack B)

Data Sheet: 548
Revision: E
Date: 06/12/2025

SECTION 1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY / UNDERTAKING

1.1 Product Identifier:

Trade Name: AquaSCREED EPOXY (Pack B)

Product Type: Hardener component of epoxy coating

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

Relevant identified uses: Epoxy hardening agent. Professional use in liquid flooring systems

Uses Advised Against: For further information, refer to section 16
Application of the substance / the preparation
For further information, refer to product technical data sheet

1.3 Details of the Supplier of the Safety Data Sheet

Optus Resin
415 Constance Drive
Warminster, PA 18974

Telephone: +(833) 466-7887

Email: techinfo@optusresin.com

1.4 Emergency Telephone Number

For 24/7 multilingual advice for a spill, leak, fire, exposure, or accident call CHEMTREC at +1 800-424-9300 (toll-free) and provide CCN 693774. Backup number: +1 703-527-3887.

SECTION 2) HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4	H302	Harmful if swallowed.
Skin Corr. 1B	H314	Causes severe skin burns and eye damage.
Eye Dam. 1	H318	Causes serious eye damage.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Repr. 2	H361d	Suspected of damaging the unborn child.

2.2 Label elements
Labeling according to Regulation (EC) No 1272/2008

This product is classified and labelled according to CLP regulation

Hazard pictograms

GHS05 GHS07 GHS08

Signal Word: DANGER
Hazard-determining components of labelling:

Benzyl alcohol
3-aminomethyl-3,5,5-trimethylcyclohexylamine
Salicylic acid
1,3-Benzoldimethanamine
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with -phenylenebis(methylamine)

Hazard Statements

H302	Harmful if inhaled
H314	Causes severe skin burns and eye damage
H317	May cause allergic skin reaction
H316d	Suspected of damaging the unborn child

Precautionary Statements

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P303+P361+P353	IF ON SKIN (or hair) Remove / take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do. Continue rinsing
P310	Immediately call a POISON CENTER/doctor.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/ national/ international regulations.

2.3 Other Hazards
Results of PBT and vPvB Assessment

PBT: Not applicable.
vPvB: Not applicable.

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

Description: Epoxy resin hardening agent, formulation on aliphatic polyamine basis

Dangerous Components:		
CAS: 100-51-6 EINECS: 202-859-9 Index number:603-057-00-5 Reg.nr.: 01-2119492630-38-xxxx	Benzyl alcohol Acute Tox. 4, H302; Acute Tox. 4, H332 Eye irrit. 2, H319	35-60%
CAS: 2855-13-2 EINECS: 220-666-8 Index number:612-067-00-9 Reg.nr.: 01-2119514687-32-xxxx	3-aminomethyl-3,5,5-trimethylcyclohexylamine Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox.4 H312; Skin Sens. 1, H317; Aquatic Chronic 3, H412	20-35%

CAS: 113930-69-1 NLP: 500-302-7 Reg.nr.: REACH Annex V No. 4	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with m-phenylenebis(methylamine) Acute Tox. 4, H302; Skin Sens. 1, H317	2.5-10%
CAS: 1477-55-0 EINECS: 216-032-5 Reg.nr.: 01-2119480150-50-xxxx	1,3-Benzoldimethanamine Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317; Aquatic Chronic 3, H412, EUH071	2.5-10%
CAS: 69-72-7 EINECS: 200-712-3 Reg.nr.: 01-2119486984-17-xxxx	Salicylic acid Repr. 2, H316d, Eye Dam. 1, H318; Acute Tox. 4, H302	2.5-10%

SECTION 4) FIRST AID MEASURES

4.1. Description of First Aid Measures

General Information	Instantly remove any clothing soiled by the product
Inhalation:	Take affected person into open air and position comfortably, Seek medical treatment in case of complaints
Ingestion:	Drink copious amounts of water and provide fresh air. Instantly call for a doctor
Skin Contact:	Instantly wash with soap and water and rinse thoroughly If skin irritation continues, consult a doctor
Eye Contact:	Rinse opened eye for several minutes under running water, consult a doctor

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available

4.3. Indication of immediate medical attention and special treatment needed

Notes to Doctor: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5) FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable:	CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol resistant foam
Not Suitable:	Water with a full water jet

5.2 Special hazards arising from the substance or mixture

Hazards:	Formation of poisonous gases during heating or in fires.

5.3 Advice for fire fighters

Put on breathing apparatus

Additional Information: Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

SECTION 6) ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Wear essential PPE, locate spill kits and apply measures to stop leakage as quickly and safely as possible, cordon off area to stop pedestrian access.

6.2 Environmental precautions:

Do not allow to enter the ground/soil.
Do not allow product to reach sewage system or water bodies. Inform respective authorities in case product reaches water or sewage system.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.
Clean the accident area carefully.

SECTION 7) HANDLING AND STORAGE

7.1 Precautions for safe handling

The usual precautionary measures for handling chemicals must be observed.
Keep containers tightly sealed.
Ensure good ventilation/exhaustion at the workplace. Open and handle container with care.
Prevent formation of aerosols

Information about protection against explosions and fires:

Keep breathing equipment ready

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and containers:

Store only in the original container.
Provide floor trough without outlet.
Keep containers securely closed and dry, store frost-free.

Information about storage in one common storage facility:

Store away from foodstuffs.

Further information about storage conditions:

Keep container tightly sealed.

7.3 Specific end user(s):

No further relevant information available

SECTION 8) EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

DNELs		
100-51-6 Benzyl alcohol		
Dermal Inhalative	DNEL - worker DNEL - worker	899mg/kg / bw/d(-) (langfristig) 22 mg/m³ /(-) (langfristig)

DNELs		
2855-12-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Inhalative	DNEL - worker	0.073 mg/m³

DNELs		
1477-55-0 1,3-Benzoldimethanamine		
Dermal Inhalative	DNEL - worker DNEL - worker	0.33mg/kg / bw/d 1.2 mg/m³

DNELs		
69-72-7 Salicylic acid		
Dermal	DNEL - worker	2 mg/kg / bw/d

PNECs	
100-51-6 Benzyl alcohol	
PNEC (predicted no effect concentration)	1 mg/l (Frischwasser (freshwater)) 0.1 mg/l (Meerwasser (seawater))

PNECs	
2855-12-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
PNEC (predicted no effect concentration)	0.06 mg/l (Frischwasser (freshwater)) 0.006 mg/l (Meerwasser (seawater))

PNECs	
1477-55-0 1,3-Benzoldimethanamine	
PNEC (predicted no effect concentration)	0.094 mg/l (Frischwasser (freshwater)) 0.0094 mg/l (Meerwasser (seawater))

PNECs	
69-72-7 Salicylic acid	
PNEC (predicted no effect concentration)	0.2mg/l (Frischwasser (freshwater)) 0.02 mg/l (Meerwasser (seawater))

8.2 Exposure Controls

Appropriate engineering controls No further data; see item 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing.
Wash hands during breaks and at the end of the work.
Store protective clothing separately.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.

Breathing equipment: In case of brief exposure or low pollution use breathing filter apparatus.
In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Recommended filter device for short term use:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Combination filter A-P2

Protection of Hands: Plastic Gloves

Only use chemical-protective gloves with CE-labelling of category III.
To minimise the wetness in the glove due to perspiration changing of gloves during a shift is required.
Check the permeability prior to each anewed use of the glove.
Preventive skin protection by use of skin-protecting agents is recommended.
Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile rubber, NBR
Fluorocarbon rubber (Viton)
Recommended thickness of the material: ³ 0.5 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
PVC gloves

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

PVC gloves

For the permanent contact gloves made of the following materials are suitable:

PVC gloves

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

PVC gloves

As protection from splashes gloves made of the following materials are suitable:

PVC gloves

Not suitable are gloves made of the following materials:

Leather gloves
Strong gloves
PVC gloves

Eye/face protection

Safety glasses
Safety glasses recommended during refilling.

Body protection: Protective work clothing.

Risk management measures

For safe spraying applications observe the substance-related exposure scenarios for benzyl alcohol as described below.
Professional uses for benzyl alcohol in mixtures (SU 19: Building and construction work):
Covers concentration up to 50%

Spraying concentration high: Control of worker exposure for spray application is only ensured for horizontal or downward spray direction (PROC 11).
Duration: Covers exposure up to 70 min
Outdoor use: Covers exposure up to 2 h
Spraying concentration low: Control of worker exposure for spray application in any direction, including upwards (PROC 11).
Duration: Covers exposure up to 25 min
Outdoor use: Covers exposure up to 55 min

Spraying concentration high: Control of worker exposure for spray application in any direction, including upwards (PROC 11).
Duration: Covers exposure up to 20 min
Outdoor use: Covers exposure up to 45 min

Conditions affecting worker exposure:
Covers indoor and outdoor use
Room size: 100 m^3
Physical form of product: Low volatile liquid, Aerosol
Vapour pressure: < 7 Pa (20 °C)
Temperature: Assumes process temperature up to 20 °C
Ventilation rate: Indoors with good natural ventilation.

Technical and organizational conditions as well as personal protective equipment:
The product causes serious eye irritation. Therefore, exposure should be minimized by appropriate risk management measures. Only appropriate trained and authorized staff may handle the substance.
Activity class: Spraying of liquids
Spray technique: Spraying with no or low compressed air use
Application rate: Moderate application rate (0.3 – 3 l/minute)
Worker distance: < 1 m

Wear chemically resistant gloves (tested to EN 374) in combination with 'basic' employee training (Dermal – minimum efficiency of 90 %) and suitable respiratory protection (Inhalation – minimum efficiency of 90%). In order to avoid possible contact with the product (sampling, spillage, leakage, cleaning) wear additionally protective clothing and eye protection.

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

General information:

Physical State	Liquid
Colour:	Yellowish
Odour:	Amine-like
Odour Threshold:	Not Determined

Important health, safety and environmental information:

Melting point/Melting range:	Not determined
Initial boiling point and boiling range	>220 °C
Flash Point:	> 100 °C
Auto-ignition temperature:	380°C
Flammability:	Product is not self-igniting.
Explosion limits:	Product is not explosive

Critical values for explosion:

Explosion limits, Upper:	1.2 Vol %
Explosion limits, Lower:	13.0 Vol %
Vapour pressure @ 20°C	<0.1 hPa
Density at 23°C	1.06 g/cm³ (ISO 2811-2)
Solubility [Water]:	Not miscible or difficult to mix
Partition coefficient n-octanol/water	Not applicable (reacts with water and/or octanol
Viscosity:	Dynamic @25° C - 200 mPas (ISO 3219)

9.2 Other information:

Appearance:

Form:	Fluid

Important information on protection of health and environment, and on safety.

Self-inflammability:	Product is not self-igniting.
Explosive properties:	Product is not explosive.
Change in condition Evaporation rate	Not Determined.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10) STABILITY AND REACTIVITY

10.1 Reactivity:	No further relevant information available
10.2 Chemical Stability:	
Thermal decomposition/conditions to be avoided:	No decomposition if used according to specifications
10.3 Possibility of hazardous reactions:	Reacts with acids, alkalis and oxidizing agents

10.4 Conditions to avoid: No further relevant information available

10.5 Incompatible materials: Strong oxidizing agents

10.6 Hazardous decomposition products: **In the event of fire:**
Poisonous gases/vapours
Corrosive gases/vapours

SECTION 11) TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity:

LD/LC50 values that are relevant for classification:		
100-51-6 Benzyl alcohol		
Oral Dermal	LD50 LD50 LD50	1040mg/kg (mou) 1620 mg/kg (rat) >2000 mg/kg (rbt)
2855-12-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Oral Dermal	LD50 LD50	1030 mg/kg (rat) 1840 mg/kg (rab) >2000 mg/kg (rbt)
113930-69-1 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with m-phenylenebis(methylamine)		
Oral	LD50	1,000 mg/kg (rat)
1477-55-0 1,3-Benzoldimethanamine		
Oral Dermal	LD50 LD50	1,180 mg/kg (mous) 3,100 mg/kg (rab)
69-72-7 Salicylic acid		
Oral Dermal	LD50 LD50	891 mg/kg (rat) >2000 mg/kg (rat)

Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitisation May cause an allergic skin reaction.

Reproductive toxicity Suspected of damaging the unborn child.

11.2 Information on other hazards

Endocrine disrupting properties		
69-72-7	salicylic acid	List II, III

SECTION 12) ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:	
100-51-6 Benzyl alcohol	
Bakterien-Toxizität (Bacteria toxicity) Daphnientoxizität (Daphnia toxicity) Algentoxizität (Algae toxicity) Fischtoxizität (Fish toxicity)	>658 mg/l (Pseudomonas putida) (EC10(16h)) 71.42 mg/l (Pseudomonas putida) (EC50(24h)) 230 mg/l (Daphnia magna (Wasserfloh)) (EC50(48h)) 400 mg/l (Pseudokirchnerilla subcapitata)) (IC50(72h)) 460 mg/l (Pimephales promelas) (LC50(96h)) 645 mg/l (Goldorfe (orfe)) (LC50(96h))

2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
Bakterien-Toxizität (Bacteria toxicity) Daphnientoxizität (Daphnia toxicity) Algentoxizität (Algae toxicity) Fischtoxizität (Fish toxicity)	1120 mg/l (Pseudomonas putida) (EC10(18h)) 23 mg/l (Daphnia magna (Wasserfloh)) (EC50(48h)) >50 mg/l (Scenedesmus subspicatus) (ErC50(72h)) 110 mg/l (Leuciscus idus) (LC50(96h))
1477-55-0 1,3-Benzoldimethanamine	
Daphnientoxizität (Daphnia toxicity) Algentoxizität (Algae toxicity) Fischtoxizität (Fish toxicity)	15.2 mg/l (Daphnia magna (Wasserfloh)) (EC50(48h)) 33.3 mg/l (Pseudokirchnerilla subcapitata) (EC50(72h)) 100 mg/l (Ochorhyncus mykiss (Regenbogenforelle))(LC50(96h)) 87.6 mg/l (Orycias Latipes) (LC50(96))
69-72-7 Salicylic acid	
Daphnientoxizität (Daphnia toxicity) Algentoxizität (Algae toxicity) Fischtoxizität (Fish toxicity)	870mg/l (Daphnia magna (Wasserfloh)) (EC50 (48h)) >100 mg/l (Desmodesmus subspicatus) (EC50 (72h)) 1380 mg/l (Pimephales promelas) (LC50(96h))

12.2 Persistence and degradability — No further relevant information available.

12.3 Bioaccumulative potential — No further relevant information available.

12.4 Mobility in soil Soil/water partition coefficient (KOC) — No further relevant information available.

12.5 Results of PBT and vPvB assessment — **PBT:** Not applicable
vPvB: Not applicable

12.6 Endocrine disrupting properties — For information on endocrine disrupting properties see section 11

12.7 Other adverse effects

Ecotoxical effects: Not determined

Remark: Harmful to fish

Additional ecological information:

General notes: Must not reach sewage water or drainage ditch undiluted or unneutralised.
Danger to drinking water if even small quantities leak into soil.
Do not allow product to reach ground water, water bodies or sewage system.
Harmful to aquatic organisms

SECTION 13) DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste: For disposal, local regulations issued by the authorities must be observed. Dispose of liquid components at a suitable incineration plant. After curing, the product can be disposed of with household waste.

Uncleaned packagings: Empty container completely. Keep label(s) on container.
The classification of the product may meet the criteria for a hazardous waste.

Recommendation: Disposal must be made according to official regulations.

Recommended cleaning agent: Water, if necessary, with cleaning agent.

SECTION 14) TRANSPORT INFORMATION

Regulatory Information	14.1. UN number	14.2. UN proper Shipping Name	14.3. Transport hazard class(es)	14.4 Packing group
ADR	2735	AMINES, LIQUID, CORROSIVE, N.O.S. (1,3-Benzoldimethanamine)	8 8 (C7)	II II
IMDG	2735	AMINES, LIQUID, CORROSIVE, N.O.S. (1,3-Benzoldimethanamine)	8 8 (C7)	II II
IATA	2735	AMINES, LIQUID, CORROSIVE, N.O.S. (1,3-Benzoldimethanamine)	8 8 (C7)	II II

14.5. Environmental Hazards	
Environmentally hazardous and/or marine pollutant:	No

14.6 Special precautions for user	Warning: Corrosive substances.
Kemler Number:	80
EMS Number:	F-A,S-B
Segregation group	(SGG18) Alkalis
Stowage category	A
Segregation code	SG35 Stow “separated from” SGG1-acids

14.7 Maritime transport in bulk according to IMO instruments	Not applicable
Transport/Additional information: ADR.RID/ADN	
Excepted quantities (EQ):	E2
Limited quantities (LQ):	1L
Excepted quantities (EQ):	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 m
Transport category:	2
Tunnel restriction code:	E

IMDG	
Limited quantities (LQ):	1L
Excepted quantities (EQ):	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 m
UN “Model Regulation”:	UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (1,3-BENZOLDIMETHANAMINE), 8, II

SECTION 15) REGULATORY INFORMATION

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

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations
Water hazard class: A Chemical Safety Assessment has not been carried out.

15.2 Chemical safety assessment: Chemical Safety Assessment not applicable

SECTION 16) OTHER INFORMATION

Relevant phrases

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H361d Suspected of damaging the unborn child.
H412 Harmful to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Repr. 2: Reproductive toxicity – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

The data given here is based on current knowledge and experience. The purpose of this Safety Data is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.