

Product Name: AquaSCREED EPOXY (Pack A)

Data Sheet: 549

Revision: D

Date: 06/12/2025

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

1.1 Product Identifier:

Trade Name: AquaSCREED EPOXY (Pack A)

Product Type: Resin component of epoxy coating

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

Relevant identified uses: Resin component of epoxy floor coating. 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

Skin Irrit. 2	H315	Causes skin irritation
Skin Sens. 1	H317	May cause an allergic skin reaction
Eye Irrit. 2	H319	Causes serious eye irritation
Aquatic Chronic. 2	H411	Toxic to aquatic life with long lasting effects

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008

Hazard pictograms



GHS07



GHS09

Signal Word: **WARNING**

Hazard-determining components of labelling:

Bisphenol-A-(epichlorhydrin)

Formaldehyde, polymer with (chloromethyl) oxirane and phenol

Oxirane, mono [(C12-14-alkyloxy)methyl] dervis

Hazard Statements

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

Precautionary Statements

P210	Keep away from heat/spark/open flame/hot surfaces. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P273	Avoid release to the environment
P3035+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for

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

Dangerous Components:		
CAS: 25068-38-6/ EINECS: 500-033-5 Reg.nr.: 01-2119456619-26/	Reaction Product: Bisphenol-A-(epichlorhydrin);epoxy resin(number average molecular weight≤700) Eye Irrit.2;H319, Skin Irrit.2;H315, Skin Sens.1;H317, Aquatic chronic 2;H411	30-45%
CAS: 9003-36-5/ EINECS: 500-006-8 Reg.nr.: 01-2119454392-40/	Formaldehyde, polymer with (chloromethyl) oxirane and phenol. Mw,=700 Skin Corr./Irrit.2;H315, Skin sens.1;H317, Aquatic Chronic 2;H411	15-25%

CAS: 68609-97-2/ EINECS: 271-846-8 Reg.nr.: 01-2119485289/	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs Skin Corr./Irrit.2;H315, Skin Sens.1;H317	5-20%
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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.
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SECTION 5) FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable:	CO2, Alcohol resistant foam, extinguishing powder
Not Suitable:	High volume water jet

5.2 Special hazards arising from the substance or mixture

Hazards:	In combustion product will emit toxic fumes
Hazardous Thermal Decomposition Products:	Decomposition products may include the following materials: carbon dioxide, Carbon monoxide, halogenated compounds.

5.3 Advice for fire fighters

Special Precautions:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Special Protective Equipment:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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:

Avoid dispersal of spilled material and runoff into soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and material for containment and cleaning up

Small Spill:

Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large Spill:

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for contact information and section 13 for waste disposal.

Reference to other sections

Clean the accident area carefully

SECTION 7) HANDLING AND STORAGE

7.1 Precautions for safe handling

Put on appropriate personal protective equipment (see section 8). Eating, drinking, smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Refer to special instructions/safety data sheet. Keep in the original container or on an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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		
25068-38-6 bisphenol-A-(epichlorhydrin) and epoxy resin		
Dermal	DNEL – worker	8.3mg/kg / bw/day
Inhalative	DNEL – worker	12.3 mg/m ³

DNELs		
9003-36-5 Formaldehyde, polymer with (chloromethyl)oxirane and phenol		
Dermal	DNEL – worker	153.5 mg/kg / bw/day
Inhalative	DNEL – worker	275 mg/m ³

PNECs (predicted no effect concentration)		
25068-38-6 bisphenol-A-epichlorhydrin) and epoxy resin		
PNEC (predicted no effect concentration)	Fresh water	3 µg/l
	Marine	0.3 µg/l
	Sewage Treatment Plant	10 mg/l
	Fresh water sediment	0.5mg/kg dwt
	Marine water sediment	0.5mg/kg dwt
	Sediment	0.05mg/kg dwt
	Intermittent Releases	0.013 mg/l

PNECs (predicted no effect concentration)		
9003-36-5 Formaldehyde, polymer with (chloromethyl)oxirane and phenol		
PNEC (predicted no effect concentration)	Fresh water	0.003 mg/l
	Marine	0.0003 mg/l
	Sewage Treatment Plant	10 mg/l
	Fresh water sediment	0.294mg/kg dwt
	Marine water sediment	0.0294mg/kg dwt
	Sediment	0.237mg/kg dwt
	Intermittent Releases	0.0254 mg/l

8.2 Exposure Controls

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Occupational exposure controls: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eye wash stations and safety showers are close to the workstation location

Respiratory Protection:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Environmental exposure controls:



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:



Protective gloves (Nitrile rubber, NBR), for splash protection PVC Gloves

Only use chemical-protective gloves with CE-labeling of category III Preventive skin protection by use of skin-protecting agents is recommended.

Eye Protection:

Tightly sealed safety glasses.



Body Protection:

Protective work clothing.

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

General information:

Physical State	Liquid
Colour:	Not applicable
Odour:	Not Determined
Odour Threshold:	Not Determined

Important health, safety and environmental information:

pH:	Not determined
Initial boiling point and boiling range:	Not determined
Flash Point:	Greater the 150° C (302° F)
Evaporation rate:	Not determined
Flammability:	Not determined
Explosion limits, Upper:	Not determined
Explosion limits, Lower:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined

Relative density:	Not determined
Solubility [Water]:	Immiscible
Partition coefficient n-octanol/water:	Not available
Auto-ignition temperature:	Estimated. 4000 C (7520 F) ASTM D 1929
Decomposition temperature:	Not determined
Viscosity:	Kinematic-Not determined, Dynamic – 0.7 – 1.1 Pa.s @250 C (770 F)
Explosive properties:	Not determined
Oxidizing properties:	Not determined
9.2 Other information:	Not applicable

SECTION 10) STABILITY AND REACTIVITY

10.1 Reactivity:	Stable under normal conditions.
10.2 Chemical Stability:	The product is stable.
10.3 Possibility of hazardous reactions:	Hazardous reaction or instability may occur under certain conditions of storage or use.
10.4 Conditions to avoid:	Avoid heat, flames and sparks.
10.5 Incompatible materials:	Strong oxidizing agents
10.6 Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11) TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity:

LD/LC50 values that are relevant for classification:		
25068-38-6 bisphenol – A (epichlorhydrin) and epoxy resin		
Oral	LD50	30000 mg/kg (rat)
Dermal	LD50	2000mg/kg (rat) 23grams/kg (rbt)

9003-36-5 Formaldehyde, polymer with (chloromethyl) oxirane and phenol		
Oral	LD50	>2000mg/kg (rat)
Dermal	LD50	>2000mg/kg (rbt)

9003-36-5 Formaldehyde, polymer with (chloromethyl) oxirane and phenol		
Oral	LD50	19200mg/kg (rat)

Primary Irritant Effect

Skin:	There might be mild irritation at the site of contact.
Eyes:	There might be irritation and pain.
Sensitization:	Sensitization possible by skin contact.
Ingestion:	Caution! Potential for aspiration. Do not induce vomiting, call a doctor immediately

SECTION 12) ECOLOGICAL INFORMATION

12.1 Toxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil Soil/water partition coefficient (KOC)	No data available
12.5 Results of PBT and vPvB assessment	PBT: Not applicable vPvB: Not applicable
12.6 Other Adverse effects	No known adverse effects.

SECTION 13) DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste:

The generation of waste should be avoided or minimized wherever possible. Empty containers may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Soiled Packaging:

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

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	3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S (LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER)	9	III
RID	3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S (LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER)	9	III
ADN/ADNR	3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S (LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER)	9	III
IMO/IMDG	3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S (LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER)	9	III

14.5. Environmental Hazards

Environmentally hazardous and/or marine pollutant:

Yes



14.6 Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

SECTION 15) REGULATORY INFORMATION

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

Particular provisions:

No data available

Water hazard class:

Water hazard class 2 (Self-assessment): hazardous for water.

15.2 Chemical safety assessment:

Chemical Safety Assessment not applicable

SECTION 16) OTHER INFORMATION

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Full text of abbreviated H Statements:

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

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 européen sur le transport 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 (REACH)
PNEC: Predicted No-Effect Concentration
LD50: Lethal dose, 50 percent

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.