

SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010



wedi® Vapor Barrier (Comp A)

Material number 203543A

Revision date: 5/17/2018
Version: 3

Language: en-US

Date of print: 7/3/2018
Page: 1 of 11

1. Product and company identification

Product identifier

Trade name: wedi® Vapor Barrier (Comp A)

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

General use: Coating agent.

Details of the supplier of the safety data sheet

Company name: wedi Corporation / wedi Americas

Street/POB-No.: 1160 Pierson Drive

Postal Code, city: IL 60510 Batavia
USA

WWW: www.wedicorp.com

E-mail: info@wedicorp.com

Telephone: 877.933.9334 (Toll Free)

Telefax: 847.357.9819

Dept. responsible for information:

wedi Corporation / wedi Americas

Technical Support Department

Telephone: +1 877.933.WEDI (9334), Mobile: +1 770.366.6835

Office Fax: +1 847.357.9819, Mobile Fax: +1 770.783.8874

E-mail info@wedicorp.com

Emergency phone number

Telephone: +1 877.933.WEDI (9334) Only available during office hours.

Mobile: +1 770.366.6835 For non business hours.

2. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid

Color: colorless

Odor: Weak, characteristic

Classification: Skin Irritation - Category 2; Eye Irritation - Category 2A; Sensitization - skin - Category 1; Aquatic toxicity - chronic - Category 2;

Hazard symbols:



Signal word:

Warning

Hazard statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Toxic to aquatic life with long lasting effects.

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Precautionary statements:

Avoid breathing mist/vapors.
Wash hands and face thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection.
IF ON SKIN: Wash with plenty of water/soap.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see ' First aid ' on this label).
If skin irritation occurs: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.
Collect spillage.
Dispose of contents/container to hazardous or special waste collection point.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

Special danger of slipping by leaking/spilling product.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Mixture on the basis of Bisphenol-A epoxy resin (average molecular weight ≤ 700), solvent-free

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Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 25068-38-6	Reaction product: Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <=700)	50 - 100 %	Skin Irritation - Category 2. Eye Irritation - Category 2A. Sensitization - skin - Category 1. Aquatic toxicity - chronic - Category 2.
CAS 16096-31-4	1,6-bis(2,3-Epoxypropoxy) hexane	10 - 25 %	Skin Irritation - Category 2. Eye Irritation - Category 2A. Sensitization - skin - Category 1. Aquatic toxicity - chronic - Category 3.
CAS 30499-70-8	Trimethylolpropane triglycidyl ether	10 - 25 %	Skin Irritation - Category 2. Eye Irritation - Category 2A. Sensitization - skin - Category 1. Aquatic toxicity - chronic - Category 3.
CAS 9003-36-5	Bisphenol F Epoxy Resin	2.5 - 10 %	Skin Irritation - Category 2. Eye Irritation - Category 2A. Sensitization - skin - Category 1. Aquatic toxicity - chronic - Category 2.

4. First aid measures

General information:	First aider: Pay attention to self-protection! If medical advice is needed, have product container or label at hand.
In case of inhalation:	Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Seek medical attention.
Following skin contact:	After contact with skin, wash immediately with soap and plenty of water. Take off contaminated clothing and wash it before reuse. Do not use solvents or thinners. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.
After swallowing:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. In case of vomiting, lay at least head on side. Immediately get medical attention.

Most important symptoms/effects, acute and delayed

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

Information to physician

Treat symptomatically.
Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.

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5. Fire fighting measures

Flash point/flash point range:

Not applicable

Auto-ignition temperature: Not self-igniting

Suitable extinguishing media:

Water spray jet, dry chemical powder, carbon dioxide.
In case of major fire and large quantities: water spray jet

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

May form dangerous gases and vapours in case of fire.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Heating causes rise in pressure with risk of bursting. Cool exposed containers with water spray. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

Personal precautions: Do not breathe mist/vapors/spray. Avoid contact with the substance.
If possible, eliminate leakage. Provide adequate ventilation.
Wear appropriate protective equipment. Keep unprotected people away.
Take off contaminated clothing and wash it before reuse.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains.
In case of release, notify competent authorities.

Methods for clean-up:

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.
Store in special closed containers and dispose of according to ordinance. Final cleaning.

Additional information:

Remove all sources of ignition.
Special danger of slipping by leaking/spilling product.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion:

Keep away from heat.

When handling larger quantities, take precautionary measures against electrostatic charging.

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Storage

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product. Protect from frost, heat and sunlight.

Hints on joint storage:

Do not store together with: acids and oxidizing agents.
Keep away from food, drink and animal feedingstuffs.

8. Exposure controls / personal protection

Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection

Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection

Wear suitable protective clothing.

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: Butyl caoutchouc (butyl rubber)

layer thickness ≥ 0.5 mm

Breakthrough time: > 480 min

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Recommendation: When vapors form, use respiratory protection.

Wear half-mask respirator with combination filter for organic vapors and particles.

General hygiene considerations:

Do not breathe mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Take off contaminated clothing and wash it before reuse.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Have eye wash bottle or eye rinse ready at work place.

Environmental exposure controls

Do not allow to enter into ground-water, surface water or drains.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:

Physical state at 68 °F and 101.3 kPa: liquid

Color: colorless

Odor:

Weak, characteristic

Odor threshold:

No data available

pH value:

No data available

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Melting point/freezing point:	No data available
Initial boiling point and boiling range:	Not applicable
Flash point/flash point range:	Not applicable
Evaporation rate:	No data available
Flammability:	Not applicable
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	at 68 °F: 1.14 g/mL
Water solubility:	Immiscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	Not self-igniting
Thermal decomposition:	No data available
Viscosity, dynamic:	at 68 °F: 730 mPa*s
Explosive properties:	Product is not explosive.

10. Stability and reactivity

Reactivity:	Refer to subsection "Possibility of hazardous reactions".
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Violent reaction with acids and oxidizing agents.
Conditions to avoid:	Keep away from heat sources, sparks and open flames. Protect against direct sunlight. Protect from frost.
Incompatible materials:	Acids, oxidizing agents
Hazardous decomposition products:	Heating can release hazardous gases.
Thermal decomposition:	No data available

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11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.
Acute toxicity (oral): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE > 2000 mg/kg.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation.
Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Sensitization - skin - Category 1 = May cause an allergic skin reaction.
Germ cell mutagenicity/Genotoxicity: Lack of data.
Carcinogenicity: Lack of data.
Reproductive toxicity: Lack of data.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): Lack of data.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Lack of data.

Other information: Information about Reaction product: Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) (CAS No. 25068-38-6):
Acute oral toxicity: LD50, Rat: > 5,000 mg/kg
Acute dermal toxicity: LD50, Rat: > 2,000 mg/kg
Information about 1,6-bis(2,3-Epoxypropoxy)hexane (CAS No. 16096-31-4):
Acute oral toxicity: LD50, Rat: 2,900 mg/kg
Acute inhalation toxicity: LC50, Mouse: > 100 mg/L/4h
Information about Bisphenol F Epoxy Resin (CAS No. 9003-36-5):
Acute oral toxicity: LD50, Rat: > 10,000 mg/kg
Acute dermal toxicity: LD50, Rat: > 2,000 mg/kg

Symptoms

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

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12. Ecological information

Ecotoxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.
Information about Reaction product: Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) (CAS No. 25068-38-6):
EC50, Daphnia magna (Big water flea): 1.7 mg/L/48h
LC50, Oncorhynchus mykiss: 2.0 mg/L/96h
Information about Bisphenol F Epoxy Resin (CAS No. 9003-36-5):
EC50, Daphnia magna (Big water flea): 2.55 mg/L
LC50, Leuciscus idus: 2.54 mg/L/96h
ERC50, algae: 1.8 mg/L

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

General information: Do not allow to enter undiluted resp. in large quantities into surface water or into drains. Avoid spills and leaks. Very small amounts contaminates drinking water.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.
Do not allow to enter into ground-water, surface water or drains.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself.
Non-contaminated packages may be recycled.

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14. Transport information

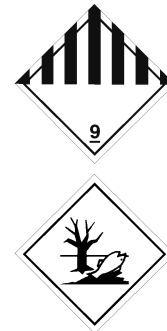
USA: Department of Transportation (DOT)

Identification number: UN3082
Proper shipping name: UN 3082, UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Reaction product: Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <=700) and 1,6-bis(2,3-Epoxypropoxy)hexane)
Hazard class or Division: 9
Packing Group: III
Labels: 9
Symbols: G
Special provisions: 8, 146, 173, 335, IB3, T4, TP1, TP29
Packaging – Exceptions: 155
Packaging – Non-bulk: 203
Packaging – Bulk: 241
Quantity limitations – Passenger aircraft / rail: No limit
Quantity limitations – Cargo only: No limit
Vessel stowage – Location: A



Sea transport (IMDG)

UN number: UN 3082
Proper shipping name: UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Reaction product: Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <=700) and 1,6-bis(2,3-Epoxypropoxy)hexane)
Class or division, Subsidiary risk: Class 9, Subrisk -
Packing Group: III
EmS: F-A, S-F
Special provisions: 274, 335, 969
Limited quantities: 5 L
Excepted quantities: E1
Contaminated packaging - Instructions: P001, LP01
Contaminated packaging - Provisions: PP1
IBC - Instructions: IBC03
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T4
Tank instructions - Provisions: TP2, TP29
Stowage and handling: Category A.
Properties and observations: -
Marine pollutant: yes
Segregation group: none



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Air transport (IATA)

UN/ID number: UN 3082
Proper shipping name: UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Reaction product: Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <=700) and 1,6-bis(2,3-Epoxypropoxy)hexane)
Class or division, Subsidiary risk: Class 9
Packing Group: III
Hazard label: Miscellaneous
Excepted Quantity Code: E1
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Cargo Aircraft only: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Special provisions: A97 A158 A197
Emergency Response Guide-Code (ERG): 9L



15. Regulatory information

National regulations - U.S. Federal Regulations

Reaction product: Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <=700):

TSCA Inventory: listed; EPA flags XU

TSCA HPVC: not listed

1,6-bis(2,3-Epoxypropoxy)hexane:

TSCA Inventory: listed; EPA flags E; P; S

TSCA HPVC: not listed

Bisphenol F Epoxy Resin:

TSCA: listed - Flags: XU

National regulations - Great Britain

Hazchem-Code: •3Z

16. Other information

Text for labeling: Contains 50 - 100 % Reaction product: Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <=700), 10 - 25 % 1,6-bis(2,3-Epoxypropoxy)hexane, 10 - 25 % Trimethylolpropane triglycidyl ether, 2.5 - 10 % Bisphenol F Epoxy Resin. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Reason of change: General revision

Date of first version: 12/6/2016

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Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.