

TOWPREG RV202

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

1.1 - Product identifier

Trade name/designation TOWPREG RV202

Chemical name

Product-type Mixture

Product code RV202

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

Relevant identified uses - Coated fibres by a resin, carbon or glass support

1.3 - Details of the supplier of the safety data sheet

Vitech Composites

Route de Sepmes

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1.4 - Emergency telephone number

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SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Corr. 1C	Skin corrosion, Category 1C
Eye Dam. 1	Serious eye damage, Category 1
Skin Sens. 1	Skin sensitization - Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: Poly(Bisphenol A-co-epichlorohydrin) (CAS No.: 25068-38-6)||polyoxypropylenediamin (CAS No.: 9046-10-0)

Signal word : Danger

Hazard pictograms



Hazard statements

H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H411	Toxic to aquatic life with long lasting effects

Precautionary statements

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P202	Do not handle until all safety precautions have been read and understood.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves, eye protection.
P303+P361+P353	IF ON SKIN (or hair): 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 present and easy to do. Continue rinsing.
P501	Dispose of contents in an approved treatment center in accordance with the national regulation.

EUH-phrases

EUH208	Contains Poly(Bisphenol A-co-epichlorohydrin) (25068-38-6) . May produce an allergic reaction
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2.3 - Other hazards

PBT-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

vPvB-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
Poly(Bisphenol A-co-epichlorohydrin)	CAS No. : 25068-38-6 Index No. : 603-074-00-8 EC No. : 500-033-5 REACH No. : 01-2119456619-26-XXXX	80 - 90	Aquatic Chronic 2 - H411 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Not applicable
polyoxypropylenediamin	CAS No. : 9046-10-0 Index No. : EC No. :	5 - 10	Aquatic Chronic 3 - H412 Asp. Tox. 1 - H304 Eye Dam. 1 - H318 Skin Corr. 1C - H314	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - Provide fresh air.

Following skin contact
- After contact with skin, wash immediately with plenty of water and soap.
- Remove contaminated, saturated clothing immediately.
- In case of skin reactions, consult a physician.

After eye contact
- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

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After ingestion - If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
- unlikely ingestion

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

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - Causes skin irritation.
- Causes burns.

Symptoms and effects - After eye contact - Serious eye damage/eye irritation

Symptoms and effects - After ingestion - Improbable ingestion

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

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media - ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder
- Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media - High power water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

Hazardous decomposition products - Carbon dioxide (CO₂)
- Carbon monoxide
- Nitrogen oxides (NO_x)

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- In case of fire: Wear self-contained breathing apparatus.
- Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Use personal protection equipment.
- Eye glasses with side protection
- Tested protective gloves must be worn

For emergency responders - No information available.

6.2 - Environmental precautions

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

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- Soak up inert absorbent and dispose as waste requiring special attention.

Methods and material for cleaning up

- Take up mechanically, placing in appropriate containers for disposal.
- Clear contaminated areas thoroughly.

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Avoid: Eye contact
- It is recommended to design all work processes always so that the following is excluded: Eye contact
- It is recommended to design all work processes always so that the following is excluded: Skin contact

Advices on general occupational hygiene

- Avoid contact with skin, eyes and clothes.
- Do no eat, drink or smoke when using this product.

7.2 - Conditions for safe storage, including any incompatibilities

- Store in a place accessible by authorized persons only.
- Only use containers specifically approved for the substance/product.

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Suitable protective clothing: Protective apron
- Tested protective gloves must be worn
- Protective gloves

- NBR (Nitrile rubber)
- FKM (fluoro rubber)



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- Eye protection



SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Solid	<u>Appearance</u>	Paste
<u>Colour</u>	light yellow	<u>Odour</u>	characteristic
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		No data available	
Solubility (Water)		insoluble	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		3,9 Pa.s < V < 4,4 Pa.s	

9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

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10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- >= 125°C
- In case of warming: Danger of polymerisation

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.
- In case of fire may be liberated:
 - Carbon monoxide
 - Nitrogen oxides (NOx)

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

Skin corrosion/irritation - Skin corrosion, Category 1C - Causes severe skin burns and eye damage

- Corrosive.

Serious eye damage/eye irritation - Serious eye damage, Category 1

- Risk of serious damage to eyes.
- Causes serious eye irritation.
- Corrosive.

Respiratory or skin sensitisation - Skin sensitization - Category 1 - May cause an allergic skin reaction

- May cause sensitisation by skin contact.
- May cause an allergic skin reaction.

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

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STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

Poly(Bisphenol A-co-epichlorohydrin) (25068-38-6)

EC50 48 hr crustacea	1,7 mg/l
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- Toxic to aquatic life with long lasting effects.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

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13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- Waste for disposal is to be classified and labelled. - Do not mix with other wastes. - Consult the appropriate local waste disposal expert about waste disposal.
<u>Community or national or regional provisions</u>	- No information available.

SECTION 14: Transport information

14.1 - UN number

Not applicable

14.2 - UN proper shipping name

14.3 - Transport hazard class(es)

14.4 - Packing group

14.5 - Environmental hazards

14.6 - Special precautions for user

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	No data available

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Description of the amendments
2	15/05/2019	Section 14: Transport information changed
1	19/04/2017	

Texts of the regulatory sentences

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3

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Asp. Tox. 1	Aspiration hazard - Category 1
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H411	Toxic to aquatic life with long lasting effects
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1

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