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REPARATION_CONTACT_EAU - 127259



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SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: REPARATION_CONTACT_EAU

Product code: 127259.

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

1.3. Details of the supplier of the safety data sheet

Registered company name: GEB.

Address: CS 62062.95972.ROISSY CDG CEDEX . France.

Telephone: 01 48 17 99 99. Fax: 01 48 17 98 00.

geb@geb.fr www.geb.fr

1.4. Emergency telephone number: 01 45 42 59 59.

Association/Organisation: INRS.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin sensitisation, Category 1B (Skin Sens. 1B, H317).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms:



GHS07

Signal Word : WARNING

Product identifiers:

EC 615-735-8 POLY(OXY(METHYL-1.2-ETHANEDIYL)) A-HYDRO-W-HYDROXY-, ETHER WIH

2.2-BIS(HYDROXYMETHYL)-1.3-PROPANEDIOL (4:1), 2-HYDROXY-3-MERCAPTOPROPYL

ETHER

603-074-00-8 REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE

MOLECULAR WEIGHT < 700)

EC 203-950-6 3,6-DIAZAOCTANETHYLENEDIAMIN

Additional labeling:

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Hazard statements:

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements - General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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Precautionary statements - Prevention:

P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:

P302 + P352 IF ON SKIN: Wash with plenty of water/...

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.

Precautionary statements - Disposal :

P501 Discard content/container according to applicable regulations.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition:

Identification	(EC) 1272/2008	Note	%
INDEX: 14807966		[1]	10 <= x % < 25
CAS: 14807-96-6			
EC: 238-877-9			
REACH: 01-2120140278-58			
TALC			
INDEX: 613280001	GHS07		10 <= x % < 25
CAS: 72244-98-5	Wng		
EC: 615-735-8	Skin Sens. 1B, H317		
REACH: 01-2120118957-46	Aquatic Chronic 3, H412		
POLY(OXY(METHYL-1.2-ETHANEDIYL))			
A-HYDRO-W-HYDROXY-, ETHER WIH			
2.2-BIS(HYDROXYMETHYL)-1.3-PROPANE			
DIOL (4:1),			
2-HYDROXY-3-MERCAPTOPROPYL ETHER			
INDEX: 603-074-00-8	GHS07, GHS09		$2.5 \ll x \% < 10$
CAS: 25068-38-6	Wng		
EC: 500-033-5	Eye Irrit. 2, H319		
REACH: 01-2119456619-26	Skin Irrit. 2, H315		
	Skin Sens. 1, H317		
REACTION PRODUCT:	Aquatic Chronic 2, H411		
BISPHENOL-A-(EPICHLORHYDRIN)			
EPOXY RESIN (NUMBER AVERAGE			
MOLECULAR WEIGHT < 700)			
INDEX: 95_48_32		[1]	$2.5 \le x \% < 10$
CAS: 13463-67-7			
EC: 236-675-5			
REACH: 01-2119489379-17			
DIOXYDE DE TITANE			

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INDEX: 612_059_005A	GHS07, GHS05		0 <= x % < 1
CAS: 112-24-3	Dgr		
EC: 203-950-6	Acute Tox. 4, H302		
REACH: 01-21194879-13	Acute Tox. 4, H312		
	Skin Corr. 1B, H314		
3,6-DIAZAOCTANETHYLENEDIAMIN	Skin Sens. 1, H317		
	STOT SE 3, H335		
	Aquatic Chronic 3, H412		
INDEX: 604_001_00_2	GHS06, GHS05, GHS09, GHS08	[1]	0 <= x % < 1
CAS: 108-95-2	Dgr	[2]	
EC: 203-632-7	Acute Tox. 3, H301		
REACH: 01-2119471329-32	Acute Tox. 3, H311		
	Skin Corr. 1B, H314		
PHENOL	Eye Dam. 1, H318		
	Acute Tox. 3, H331		
	Muta. 2, H341		
	STOT RE 2, H373		
	Aquatic Acute 1, H400		
	M Acute = 1		
	Aquatic Chronic 1, H410		
	M Chronic = 1		

(Full text of H-phrases: see section 16)

Information on ingredients:

- [1] Substance for which maximum workplace exposure limits are available.
- [2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes:

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

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SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use:

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Unsuitable methods of extinction

In the event of a fire, do not use:

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Retrieve the product by mechanical means (sweeping/vacuuming).

6.4. Reference to other sections

No data available.

SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

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Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Packages which have been opened must be reclosed carefully and stored in an upright position.

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Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

- European Union (2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE):

108-95-2 8 2 16 4 Peau	CAS	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Notes:
	108-95-2	8	2	16	4	Peau

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
14807-96-6	2 (E,R) mg/m3			A4	
13463-67-7	10 mg/m3			A4	
108-95-2	5 ppm			Skin; A4; BEI	

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

CAS	VME:	VME:	Excess	Notes
108-95-2		2 ppm		2(II)
		8 mg/m^3		

- France (INRS - ED984 :2016) :

CAS	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP No:
13463-67-7	-	10	-	-	-	-
108-95-2	2	7.8	4	15.6	*	-

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
14807-96-6	- ppm	- ppm			
	1 mg/m^3	- mg/m³			
13463-67-7	- ppm	- ppm			
	4 mg/m ³	- mg/m³			
108-95-2	2 ppm	4 ppm		Sk	
	7.8 mg/m^3	16 mg/m^3			

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

PHENOL (CAS: 108-95-2)

Final use: Workers.

Exposure method: Dermal contact.

Potential health effects: Long term systemic effects.

DNEL: 1.23 mg of substance/cm2

Exposure method: Inhalation.

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Potential health effects: Long term systemic effects. DNEL: 8 mg of substance/m3

Exposure method: Inhalation.

Potential health effects: Short term systemic effects.

DNEL: 16 mg of substance/m3

REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <700) (CAS: 25068-38-6)

Final use: Workers.

Exposure method: Dermal contact.

Potential health effects: Short term systemic effects.

DNEL: 8.33 mg/kg body weight/day

Exposure method: Dermal contact.

Potential health effects: Long term systemic effects.

DNEL: 8.33 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Long term systemic effects.

DNEL: 12.25 mg of substance/m3

Exposure method: Inhalation.

Potential health effects: Short term systemic effects. DNEL: 12.25 mg of substance/m3

Predicted no effect concentration (PNEC):

PHENOL (CAS: 108-95-2)

Environmental compartment: Soil.

PNEC: 0.136 mg/kg

 $\begin{array}{ll} Environmental \ compartment: & Fresh \ water. \\ PNEC: & 0.0077 \ mg/l \end{array}$

Environmental compartment: Sea water. PNEC: 0.00077 mg/l

Environmental compartment: Intermittent waste water.

PNEC: 0.031 mg/l

Environmental compartment: Fresh water sediment.

PNEC: 0.0915 mg/kg

Environmental compartment: Marine sediment. PNEC: 0.00915 mg/kg

Environmental compartment: Waste water treatment plant.

PNEC: 2.1 mg/l

REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR

WEIGHT < 700) (CAS: 25068-38-6)

Environmental compartment: Soil.

PNEC: 0.196 mg/kg

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Environmental compartment: Fresh water. PNEC: 0.006 mg/l

Environmental compartment: Sea water. PNEC: 0.0006 mg/l

Environmental compartment: Intermittent waste water.

PNEC: 0.018 mg/l

Environmental compartment: Fresh water sediment.

PNEC: 0.996 mg/kg

Environmental compartment: Marine sediment. PNEC: 0.0996 mg/kg

Environmental compartment: Waste water treatment plant.

PNEC: 10 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):









Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended:

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

Recommended properties:

- Impervious gloves in accordance with standard EN374

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

Wear protective clothing against solid chemicals and particles suspended in the air (type 5) in accordance with standard EN13982-1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid breathing dust.

Type of FFP mask:

Wear a disposable half-mask dust filter in accordance with standard EN149.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state: Solid.

Important health, safety and environmental information

pH: Not relevant. Boiling point/boiling range: $>35^{\circ}C$ Flash point interval: Not relevant. Vapour pressure (50°C): Not relevant.

Density: 2

Water solubility: Insoluble.

Melting point/melting range: Not relevant.

Self-ignition temperature: Not relevant.

Decomposition point/decomposition range: Not relevant.

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

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10.4. Conditions to avoid

Avoid:

- formation of dusts

Dusts can form an explosive mixture with air.

10.5. Incompatible materials

10.6. Hazardous decomposition products

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Splashes in the eyes may cause irritation and reversible damage

May cause an allergic reaction by skin contact.

Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and a respiratory tract sensitiser as well as an irritant.

Constituents with a low molecular weight irritate the eyes, mucous membranes and the skin

Repeated contact with the skin may cause irritation and hypersensitisation, possibly in combination with other epoxide compounds.

11.1.1. Substances

Acute toxicity:

PHENOL (CAS: 108-95-2)

Oral route: LD50 = 317 mg/kg

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Species: Rat

Dermal route : LD50 = 630 mg/kg

Inhalation route (Vapours): LC50 = 3 mg/l

Duration of exposure: 4 h

Carcinogenicity:

PHENOL (CAS: 108-95-2)

Carcinogenicity Test: Negative.

No carcinogenic effect.

Specific target organ systemic toxicity - repeated exposure :

3,6-DIAZAOCTANETHYLENEDIAMIN (CAS: 112-24-3)

 $\label{eq:control} Dermal \ route: \\ C = 1100 \ mg/kg \ bodyweight/jour$

Duration of exposure: 90 days

11.1.2. Mixture

Skin corrosion/skin irritation:

Tests have proven that the mixture is neither corrosive nor irritant despite the low/high pH.

Serious damage to eyes/eye irritation:

Tests have proven that the mixture is not corrosive, does not produce serious ocular lesions or cause irritation despite the low/high pH.

Respiratory or skin sensitisation:

Contains epoxy compounds. May cause an allergic reaction.

Monograph(s) from the IARC (International Agency for Research on Cancer):

CAS 13463-67-7: IARC Group 2B: The agent is possibly carcinogenic to humans.

CAS 108-95-2 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 14807-96-6: IARC Group 2B: The agent is possibly carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances

PHENOL (CAS: 108-95-2) Fish toxicity:

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

PHENOL (CAS: 108-95-2) Biodegradability:

no degradability data is available, the substance is considered as not degrading

quickly.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

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12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

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13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

_

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

-

SECTION 15: REGULATORY INFORMATION

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

- Classification and labelling information included in section ${\bf 2}$:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2017/776 (ATP 10)

- Container information:

No data available.

- Particular provisions :

No data available.

15.2. Chemical safety assessment

No data available.

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SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

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The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3:

· · · · · · · · · · · · · · · · · · ·	
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Harmful to aquatic life with long lasting effects.

Abbreviations:

H412

DNEL: Derived No-Effect Level

PNEC: Predicted No-Effect Concentration CMR: Carcinogenic, mutagenic or reprotoxic.

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods. IATA: International Air Transport Association. ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

WGK: Wassergefahrdungsklasse (Water Hazard Class).

GHS07: Exclamation mark

PBT: Persistent, bioaccumulable and toxic. vPvB: Very persistent, very bioaccumulable. SVHC: Substances of very high concern.