

RESINE EPOXY TO 26 BICOMPOSANTE - BASE - 5401100400



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

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

1.1. Product identifier

Product name : RESINE EPOXY TO 26 BICOMPOSANTE - BASE
Product code : 5401100400.
UFI : M2N0-S003-P001-XGJ2

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

N/A

1.3. Details of the supplier of the safety data sheet

Registered company name : SOROMAP PEINTURES VERNIS.
Address : 1, RUE MAURICE MALLET Z.I. DE BELIGON.17300.ROCHEFORT SUR MER.FRANCE.
Telephone : 05.46.88.36.10. Fax : 05.46.88.36.15.
contact@soromap.com
www.soromap.com

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Skin irritation, Category 2 (Skin Irrit. 2, H315).
Eye irritation, Category 2 (Eye Irrit. 2, H319).
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).
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



GHS09

Signal Word :

WARNING

Product identifiers :

EC 216-823-5

EC 701-263-0

BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE
REACTION MASS OF 2, 2' - [METHYLENE BIS (4 , 1
-PHENYLENEOXYMETHYLENE)]DIOXIRANE AND
[2-({2-[4-(OXIRAN-2-YLMETHOXY)BENZYL] PHENOXY} METHYL)OXIRANE AND [2,2'-
[METHYLENEBIS(2,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE
REACTION MASS OF FATTY ACIDS, TALL-OIL, COMPDS. WITH OLEYLAMINE AND FATTY
ACIDS, C18-UNSATD., TRIMERS, COMPDS. WITH OLEYLAMINE

Additional labeling :

EUH205

Contains epoxy constituents. May produce an allergic reaction.

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 - General :

P101

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

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P280

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

Precautionary statements - Response :

P302 + P352

IF ON SKIN: Wash with plenty of water/...

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statements - Disposal :

P501

Dispose of contents/container by approved organization

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ 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.

The mixture does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures****Composition :**

Identification	(EC) 1272/2008	Note	%
CAS: 1675-54-3 EC: 216-823-5 REACH: 01-2119456619-26 BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411		50 \leq x % < 100
EC: 701-263-0 REACH: 01-2119454392-40 REACTION MASS OF 2,2'-[METHYLENEBIS(4,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE AND [2-({2-[4-(OXIRAN-2-YLMETHOXY)BENZYL]PHENOXY}METHYL)OXIRANE AND [2,2'-[METHYLENEBIS(2,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411		25 \leq x % < 50
CAS: 107-98-2 EC: 203-539-1 REACH: 02-2119457435-35 MONOPROPYLENE GLYCOL METHYL ETHER	GHS07, GHS02 Wng Flam. Liq. 3, H226 STOT SE 3, H336	[1]	1 \leq x % < 2.5

REACH: 01-2120101675-63 REACTION MASS OF FATTY ACIDS, TALL-OIL, COMPDS. WITH OLEYLAMINE AND FATTY ACIDS, C18-UNSATD., TRIMERS, COMPDS. WITH OLEYLAMINE	GHS07, GHS08 Wng Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1A, H317 STOT RE 2, H373 Aquatic Chronic 3, H412		0.1 <= x % < 1
CAS: 108-65-6 EC: 203-603-9 REACH: 01-2119475791-29 2-METHOXY-1-METHYLETHYL ACETATE	GHS07, GHS02 Wng Flam. Liq. 3, H226 STOT SE 3, H336	[1]	0.1 <= x % < 1
INDEX: 603-106-00-0 CAS: 1589-47-5 EC: 216-455-5 REACH: 02-2119752454-37-0000 2-METHOXYPROPANOL	GHS02, GHS08, GHS05, GHS07 Dgr Flam. Liq. 3, H226 Repr. 1B, H360D STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318	[1] [2]	0 >= x % < 0.005

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 1675-54-3 EC: 216-823-5 REACH: 01-2119456619-26 BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROP ANE	Skin Irrit. 2: H315 >=5% Eye Irrit. 2: H319 C>= 5%	dermal: ATE = 23000 mg/kg BW oral: ATE = 15000 mg/kg BW
CAS: 107-98-2 EC: 203-539-1 REACH: 02-2119457435-35 MONOPROPYLENE GLYCOL METHYL ETHER		oral: ATE = 4016 mg/kg BW

Information on ingredients :

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

[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.

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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.

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)
- water with AFFF (Aqueous Film Forming Foam) additive

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

Clean preferably with a detergent, do not use solvents.

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.

Ensure that there is adequate ventilation, especially in confined areas.

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Fire prevention :

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid skin and eye contact with this mixture.

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

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.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

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 (2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m ³ :	VME-ppm :	VLE-mg/m ³ :	VLE-ppm :	Notes :
107-98-2	375	100	568	150	Peau
108-65-6	275	50	550	100	Peau

- Germany - AGW (BAuA - TRGS 900, 08/08/2019) :

CAS	VME :	VME :	Excess	Notes
107-98-2		100 ppm 370 mg/m ³		2(I)
108-65-6		50 ppm 270 mg/m ³		1(I)
1589-47-5		5 ppm 19 mg/m ³		2(I)

- France (INRS - ED984 / 2020-1546) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
107-98-2	50	188	100	375	*	84
108-65-6	50	275	100	550	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
107-98-2	100 ppm 375 mg/m ³	150 ppm 560 mg/m ³		Sk	
108-65-6	50 ppm 274 mg/m ³	100 ppm 548 mg/m ³		Sk	

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

REACTION MASS OF FATTY ACIDS, TALL-OIL, COMPDS. WITH OLEYLAMINE AND FATTY ACIDS, C18-UNSATD., TRIMERS, COMPDS. WITH OLEYLAMINE

Final use:

Exposure method:

Potential health effects:

Workers.

Dermal contact.

Long term systemic effects.

DNEL : 0.43 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 0.75 mg of substance/m3

Final use: **Consumers.**
Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 0.11 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 0.21 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term local effects.
DNEL : 0.0113 mg of substance/cm2

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 0.37 mg of substance/m3

MONOPROPYLENE GLYCOL METHYL ETHER (CAS: 107-98-2)

Final use: **Workers.**
Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 50.6 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 369 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Short term local effects.
DNEL : 553.5 mg of substance/m3

Final use: **Consumers.**
Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 3.3 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 18.1 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 43.9 mg of substance/m3

REACTION MASS OF 2,2'-[METHYLENEBIS(4,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE AND
[2-({2-[4-(OXIRAN-2-YLMETHOXY)BENZYL]PHENOXY}METHYL)OXIRANE AND
[2,2'-[METHYLENEBIS(2,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE

RESINE EPOXY TO 26 BICOMPOSANTE - BASE - 5401100400**Final use:**

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Final use:

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
104.15 mg/kg body weight/day

Dermal contact.
Short term local effects.
8.3 µg of substance/cm²

Inhalation.
Long term systemic effects.
29.39 mg of substance/m³

Consumers.

Ingestion.
Long term systemic effects.
6.25 mg/kg body weight/day

Dermal contact.
Long term systemic effects.
62.5 mg/kg body weight/day

Inhalation.
Long term systemic effects.
8.7 mg of substance/m³

BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE (CAS: 1675-54-3)**Final use:**

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Final use:

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
0.75 mg/kg body weight/day

Inhalation.
Long term systemic effects.
4.93 mg of substance/m³

Consumers.

Ingestion.
Short term systemic effects.
0.5 mg/kg body weight/day

Dermal contact.
Long term systemic effects.
0.0893 mg/kg body weight/day

Inhalation.
Long term systemic effects.
0.87 mg of substance/m³

Predicted no effect concentration (PNEC):

REACTION MASS OF FATTY ACIDS, TALL-OIL, COMPDS. WITH OLEYLAMINE AND FATTY ACIDS, C18-UNSATD.,
TRIMERS, COMPDS. WITH OLEYLAMINE

Environmental compartment: Air.
PNEC : 0.0973 mg/l

RESINE EPOXY TO 26 BICOMPOSANTE - BASE - 5401100400

Environmental compartment:	Fresh water.
PNEC :	0.194 mg/l
Environmental compartment:	Sea water.
PNEC :	0.0194 mg/l
Environmental compartment:	Waste water treatment plant.
PNEC :	100 mg/l

MONOPROPYLENE GLYCOL METHYL ETHER (CAS: 107-98-2)

Environmental compartment:	Soil.
PNEC :	4.59 mg/kg
Environmental compartment:	Fresh water.
PNEC :	10 mg/l
Environmental compartment:	Sea water.
PNEC :	1
Environmental compartment:	Intermittent waste water.
PNEC :	100
Environmental compartment:	Fresh water sediment.
PNEC :	52.3 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	5.2 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	100 mg/l

REACTION MASS OF 2,2'-[METHYLENEBIS(4,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE AND [2-({2-[4-(OXIRAN-2-YLMETHOXY)BENZYL]PHENOXY}METHYL)OXIRANE AND [2,2'-[METHYLENEBIS(2,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE

Environmental compartment:	Soil.
PNEC :	0.237 mg/kg
Environmental compartment:	Fresh water.
PNEC :	0.003 mg/l
Environmental compartment:	Sea water.
PNEC :	0.0003 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	0.0254 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	0.294 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	0.0294 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	10 mg/l

BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE (CAS: 1675-54-3)

RESINE EPOXY TO 26 BICOMPOSANTE - BASE - 5401100400

Environmental compartment: PNEC :	Soil. 0.065 mg/kg
Environmental compartment: PNEC :	Fresh water. 0.006 mg/l
Environmental compartment: PNEC :	Sea water. 0.001 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 0.341 mg/kg
Environmental compartment: PNEC :	Marine sediment. 0.034 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 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.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

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 :

- Butyl Rubber (Isobutylene-isoprene copolymer)

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 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.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****Physical state**

Physical state : Viscous liquid.

Colour

colour N/A

Odour

Odour threshold : Not stated.

Melting point

Melting point/melting range : Not specified.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not specified.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not specified.

Decomposition temperature

Decomposition point/decomposition range : Not specified.

pH

pH : Not relevant.

pH (aqueous solution) : Not stated.

Kinematic viscosity

Viscosity : Not stated.

Solubility

Water solubility : Insoluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Below 110 kPa (1.10 bar).

Density and/or relative density

Density : 1.17

Relative vapour density

Vapour density : Not stated.

9.2. Other information

VOC (g/l) : 27.32

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

RESINE EPOXY TO 26 BICOMPOSANTE - BASE - 5401100400

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.

10.4. Conditions to avoid

Avoid :

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

10.5. Incompatible materials

No data available.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

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 sensitizer and a respiratory tract sensitizer 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 :

MONOPROPYLENE GLYCOL METHYL ETHER (CAS: 107-98-2)

Oral route : LD₅₀ = 4016 mg/kg
Species : Rat

Dermal route : LD₅₀ > 2000 mg/kg
Species : Rabbit

REACTION MASS OF 2,2'-[METHYLENEBIS(4,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE AND
[2-({2-[4-(OXIRAN-2-YLMETHOXY)BENZYL] PHENOXY}METHYL)OXIRANE AND
[2,2'-[METHYLENEBIS(2,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE

Oral route : LD₅₀ > 5000 mg/kg

RESINE EPOXY TO 26 BICOMPOSANTE - BASE - 5401100400

Species : Rat

Dermal route :

LD50 > 2000 mg/kg

Species : Rat

BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE (CAS: 1675-54-3)

Oral route :

LD50 = 15000 mg/kg

Species : Rat

Dermal route :

LD50 = 23000 mg/kg

Species : Rabbit

Skin corrosion/skin irritation :

MONOPROPYLENE GLYCOL METHYL ETHER (CAS: 107-98-2)

Species : Rabbit

Respiratory or skin sensitisation :

MONOPROPYLENE GLYCOL METHYL ETHER (CAS: 107-98-2)

Guinea Pig Maximisation Test (GMPT) :

Non-sensitiser.

Species : Others

Germ cell mutagenicity :

MONOPROPYLENE GLYCOL METHYL ETHER (CAS: 107-98-2)

No mutagenic effect.

Mutagenesis (in vitro) :

Negative.

Carcinogenicity :

MONOPROPYLENE GLYCOL METHYL ETHER (CAS: 107-98-2)

Carcinogenicity Test :

Negative.

No carcinogenic effect.

11.1.2. Mixture**Respiratory or skin sensitisation :**

Contains epoxy compounds. May cause an allergic reaction.

11.2. Information on other hazards**Monograph(s) from the IARC (International Agency for Research on Cancer) :**

CAS 1675-54-3 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Toxic 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**

MONOPROPYLENE GLYCOL METHYL ETHER (CAS: 107-98-2)

Fish toxicity :

LC50 = 6812 mg/l

Species : *Leuciscus idus*

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 23500 mg/l

Species : *Daphnia magna*

Duration of exposure : 48 h

REACTION MASS OF 2,2'-[METHYLENEBIS(4,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE AND
[2-({2-[4-(OXIRAN-2-YLMETHOXY)BENZYL] PHENOXY}METHYL)OXIRANE AND
[2,2'-[METHYLENEBIS(2,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE

Fish toxicity : LC50 = 2.54 mg/l
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 2.55 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

Algae toxicity : ECr50 = 1.8 mg/l
Duration of exposure : 72 h

BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE (CAS: 1675-54-3)

Fish toxicity : LC50 = 2 mg/l
Species : Oncorhynchus mykiss
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 1.8 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

Algae toxicity : ECr50 = 11 mg/l
Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

MONOPROPYLENE GLYCOL METHYL ETHER (CAS: 107-98-2)

Biodegradability : Rapidly degradable.

REACTION MASS OF 2,2'-[METHYLENEBIS(4,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE AND
[2-({2-[4-(OXIRAN-2-YLMETHOXY)BENZYL] PHENOXY}METHYL)OXIRANE AND
[2,2'-[METHYLENEBIS(2,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE (CAS: 1675-54-3)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

12.3.1. Substances

MONOPROPYLENE GLYCOL METHYL ETHER (CAS: 107-98-2)

Octanol/water partition coefficient : log K_{ow} = 0.37

Bioaccumulation : BCF < 100

REACTION MASS OF 2,2'-[METHYLENEBIS(4,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE AND
[2-({2-[4-(OXIRAN-2-YLMETHOXY)BENZYL] PHENOXY}METHYL)OXIRANE AND
[2,2'-[METHYLENEBIS(2,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE

Octanol/water partition coefficient : log K_{ow} = 3.3

12.4. Mobility in soil

No data available.

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12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 2 : Hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

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

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

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 - ICAO/IATA 2021).

14.1. UN number or ID number

1263

14.2. UN proper shipping name

UN1263=PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)

14.3. Transport hazard class(es)

- Classification :



3

14.4. Packing group

III

14.5. Environmental hazards

- Environmentally hazardous material :

**14.6. Special precautions for user**

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	III	3	30	5 L	163 367 650	E1	3	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation

	3	-	III	5 L	F-E, S-E	163 223 367 955	E1	Category A	-
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IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	355	60 L	366	220 L	A3 A72 A192	E1
	3	-	III	Y344	10 L	-	-	A3 A72 A192	E1

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

Marine pollutant (IMDG 3.1.2.9):(bis-[4-(2,3-epoxipropoxy)phenyl]propane)

14.7. Maritime transport in bulk according to IMO instruments

No data available.

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 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/643 (ATP 16)
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/849 (ATP 17)

- Container information:

No data available.

- Particular provisions :

No data available.

- German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 2 : Hazardous for water.

15.2. Chemical safety assessment

No data available.

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.

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 :

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360D	May damage the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure .
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.

ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.

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REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ATE : Acute Toxicity Estimate

BW : Body Weight

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

CMR: Carcinogenic, mutagenic or reprotoxic.

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

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 : Wassergefährdungsklasse (Water Hazard Class).

GHS07 : Exclamation mark

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.