

# Cover sheet for the safety data sheet

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## Product identification:

Trade name	<b>EPOXY RESIN UNDERWATER</b>
Intended use	<b>Resin</b>
UFI	<b>2FAR-97FC-9006-UMKA</b>
Item number	<b>SOR86780</b>

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## Supplier submitting the safety data sheet:

Supplier:	TELL's Power AG Bahnhofweg 2 + 4 CH-6405 Immensee
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Phone:	041 850 77 44
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E-Mail :	<a href="mailto:info@tellspower.ch">info@tellspower.ch</a>
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**National emergency number: 145** (available 24 hours, Tox Info Suisse, Zurich; for calls from Switzerland, information in German, French and Italian)

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## Information for users concerning:

<b>Section 1</b>	For commercial users only
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<b>Section 13</b>	Do not dispose of completely empty packaging together with household waste. Packaging must be sent for recycling. Treat product residues and non-emptied packaging as hazardous waste. Residues may pose an explosion hazard. Do not perforate uncleaned containers, cut or weld uncleaned containers. Dispose of hazardous waste in accordance with Directive 91/689/EEC at an authorized disposal site, indicating a waste code number in accordance with Decision 2000/532/EC. Disposal should be carried out in accordance with regional, national and local laws and regulations. Local regulations may be stricter than regional or national requirements and must be observed. Switzerland: Dispose of completely empty packaging with municipal waste. Return partially emptied containers to the point of sale or hand them over to a collection point for special waste.
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<b>Section 15</b>	This product may only be supplied to professional users
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**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400**



**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 : SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE  
Product code : 7401171400.  
UFI : 2FD0-Q0JS-E000-23PA

**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 MALLETT 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 701-263-0

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  
BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE

EC 216-823-5

Additional labeling :

EUH205

Contains epoxy constituents. May produce an allergic reaction.

**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400**

## 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.
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## Precautionary statements - Prevention :

P273	Avoid release to the environment.
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.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

## Precautionary statements - Disposal :

P501	Dispose of contents/container by approved organization
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**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.

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

Identification	(EC) 1272/2008	Note	%
EC: 701-263-0 REACH: 01-2119454392-40  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	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411		25 <= x % < 50
CAS: 1675-54-3 EC: 216-823-5 REACH: 01-2119456619-26  BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319		25 <= x % < 50
CAS: 7727-43-7  BARIUM SULFATE		[1]	10 <= x % < 25
CAS: 21645-51-2 EC: 244-492-7 REACH: 01-2119529246-39-xxxx  ALUMINE		[1]	2.5 <= x % < 10
CAS: 13463-67-7 EC: 236-675-5 REACH: 01-2119489379-17  DIOXYDE DE TITANE		[1]	2.5 <= x % < 10

## SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400

CAS: 1330-20-7 EC: 215-535-7  XYLENE	GHS07, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 STOT RE 2, H373 Aquatic Chronic 3, H412	C [1]	0 <= x % < 2.5
CAS: 7631-86-9 EC: 231-545-4 REACH: 01-2119379499-16-0000  SILICA		[1]	0 <= x % < 2.5
CAS: 7631-86-9 EC: 231-545-4  SILICA		[1]	0 <= x % < 2.5
CAS: 100-41-4 EC: 202-849-4  ETHYLBENZENE	GHS07, GHS08, GHS02 Dgr Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 STOT RE 2, H373	[1]	0 <= x % < 2.5
CAS: 108-88-3 EC: 203-625-9 REACH: 01-2119471310-51  TOLUENE	GHS07, GHS08, GHS02 Dgr Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Repr. 2, H361d STOT RE 2, H373 Aquatic Chronic 3, H412	[1] [2]	0 <= x % < 2.5

(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.

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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.

**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 (CO<sub>2</sub>)

**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 (CO<sub>2</sub>)

**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.

**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400****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.

**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 <sup>3</sup> :	VME-ppm :	VLE-mg/m <sup>3</sup> :	VLE-ppm :	Notes :
1330-20-7	221	50	442	100	Peau
100-41-4	442	100	884	200	Peau
108-88-3	192	50	384	100	Peau

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

CAS	VME :	VME :	Excess	Notes
1330-20-7		100 ppm 440 mg/m <sup>3</sup>		2(II)
7631-86-9		4 mg/m <sup>3</sup>		
7631-86-9		4 mg/m <sup>3</sup>		
100-41-4		20 ppm 88 mg/m <sup>3</sup>		2(II)
108-88-3		50 ppm 190 mg/m <sup>3</sup>		4(II)

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

CAS	VME-ppm :	VME-mg/m <sup>3</sup> :	VLE-ppm :	VLE-mg/m <sup>3</sup> :	Notes :	TMP No :
13463-67-7	-	10	-	-	-	-
1330-20-7	50	221	100	442	*	4 Bis. 84. *
100-41-4	20	88.4	100	442	*	84
108-88-3	20	76.8	100	384	R2. *	4bis.84

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

## SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7727-43-7	4 mg/m <sup>3</sup>				
21645-51-2	10 mg/m <sup>3</sup>	-	-	-	TI
13463-67-7	4 mg/m <sup>3</sup>				
1330-20-7	50 ppm 220 mg/m <sup>3</sup>	100 ppm 441 mg/m <sup>3</sup>		Sk. BMGV	
100-41-4	100 ppm 441 mg/m <sup>3</sup>	125 ppm 552 mg/m <sup>3</sup>		Sk	
108-88-3	50 ppm 191 mg/m <sup>3</sup>	100 ppm 384 mg/m <sup>3</sup>		Sk	

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

TOLUENE (CAS: 108-88-3)

**Final use:**Exposure method:  
Potential health effects:  
DNEL :Exposure method:  
Potential health effects:  
DNEL :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 :Exposure method:  
Potential health effects:  
DNEL :Exposure method:  
Potential health effects:  
DNEL :Exposure method:  
Potential health effects:**Workers.**Dermal contact.  
Long term systemic effects.  
384 mg/kg body weight/dayInhalation.  
Long term systemic effects.  
192 mg of substance/m<sup>3</sup>Inhalation.  
Long term local effects.  
192 mg of substance/m<sup>3</sup>Inhalation.  
Short term systemic effects.  
384 mg of substance/m<sup>3</sup>Inhalation.  
Short term local effects.  
384 mg of substance/m<sup>3</sup>**Consumers.**Ingestion.  
Long term systemic effects.  
8.13 mg/kg body weight/dayDermal contact.  
Long term systemic effects.  
226 mg/kg body weight/dayInhalation.  
Long term systemic effects.  
56.5 mg of substance/m<sup>3</sup>Inhalation.  
Long term local effects.  
56.5 mg of substance/m<sup>3</sup>Inhalation.  
Short term systemic effects.  
226 mg of substance/m<sup>3</sup>Inhalation.  
Short term local effects.

**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400**

DNEL : 226 mg of substance/m3

## ETHYLBENZENE (CAS: 100-41-4)

**Final use:**

Exposure method:

Potential health effects:

DNEL :

**Workers.**

Dermal contact.

Long term systemic effects.

180 mg/kg body weight/day

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Short term local effects.

293 mg of substance/m3

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Long term systemic effects.

77 mg of substance/m3

**Final use:**

Exposure method:

Potential health effects:

DNEL :

**Consumers.**

Ingestion.

Long term systemic effects.

1.6 mg/kg body weight/day

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Long term systemic effects.

15 mg of substance/m3

## XYLENE (CAS: 1330-20-7)

**Final use:**

Exposure method:

Potential health effects:

DNEL :

**Workers.**

Dermal contact.

Long term systemic effects.

180 mg/kg body weight/day

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Short term systemic effects.

289 mg of substance/m3

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Short term local effects.

289 mg of substance/m3

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Long term systemic effects.

77 mg of substance/m3

**Final use:**

Exposure method:

Potential health effects:

DNEL :

**Consumers.**

Dermal contact.

Long term systemic effects.

108 mg/kg body weight/day

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Short term systemic effects.

174 mg of substance/m3

Exposure method:

Potential health effects:

Inhalation.

Short term local effects.



**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400**

DNEL : 174 mg of substance/m3

Exposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL : 1408 mg of substance/m3**BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE (CAS: 1675-54-3)****Final use:** **Workers.**  
Exposure method: Dermal contact.  
Potential health effects: Long term systemic effects.  
DNEL : 0.75 mg/kg body weight/dayExposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL : 4.93 mg of substance/m3**Final use:** **Consumers.**  
Exposure method: Ingestion.  
Potential health effects: Short term systemic effects.  
DNEL : 0.5 mg/kg body weight/dayExposure method: Dermal contact.  
Potential health effects: Long term systemic effects.  
DNEL : 0.0893 mg/kg body weight/dayExposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL : 0.87 mg of substance/m3**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****Final use:** **Workers.**  
Exposure method: Dermal contact.  
Potential health effects: Long term systemic effects.  
DNEL : 104.15 mg/kg body weight/dayExposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL : 29.39 mg of substance/m3**Final use:** **Consumers.**  
Exposure method: Ingestion.  
Potential health effects: Long term systemic effects.  
DNEL : 6.25 mg/kg body weight/dayExposure method: Dermal contact.  
Potential health effects: Long term systemic effects.  
DNEL : 62.5 mg/kg body weight/dayExposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL : 8.7 mg of substance/m3

**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400****Predicted no effect concentration (PNEC):**

## TOLUENE (CAS: 108-88-3)

Environmental compartment:

PNEC :

Soil.

2.89 mg/kg

Environmental compartment:

PNEC :

Fresh water.

0.68 mg/l

Environmental compartment:

PNEC :

Sea water.

0.68 mg/l

Environmental compartment:

PNEC :

Intermittent waste water.

0.68 µg/l

Environmental compartment:

PNEC :

Fresh water sediment.

16.39 mg/kg

Environmental compartment:

PNEC :

Marine sediment.

16.39 mg/kg

Environmental compartment:

PNEC :

Waste water treatment plant.

13.61 mg/l

## XYLENE (CAS: 1330-20-7)

Environmental compartment:

PNEC :

Soil.

2.31 mg/kg

Environmental compartment:

PNEC :

Fresh water.

0.327 mg/l

Environmental compartment:

PNEC :

Sea water.

0.327 mg/l

Environmental compartment:

PNEC :

Intermittent waste water.

0.327 mg/l

Environmental compartment:

PNEC :

Fresh water sediment.

12.46 mg/kg

Environmental compartment:

PNEC :

Marine sediment.

12.46 mg/kg

Environmental compartment:

PNEC :

Waste water treatment plant.

6.58 mg/l

## DIOXYDE DE TITANE (CAS: 13463-67-7)

Environmental compartment:

PNEC :

Fresh water.

0.127 mg/l

Environmental compartment:

PNEC :

Sea water.

1 mg/l

Environmental compartment:

PNEC :

Intermittent waste water.

0.61 mg/l

Environmental compartment:

Fresh water sediment.

**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400**

PNEC :	1000 mg/kg
Environmental compartment: PNEC :	Marine sediment. 100 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 100

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

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

**REACTION MASS OF 2, 2' - [ M E T H Y L E N E B I S ( 4 , 1 - P H E N Y L E N E O X Y M E T H Y L E N E ) ] D I O X I R A N E A N D [ 2 - ( { 2 - [ 4 - ( O X I R A N - 2 - Y L M E T H O X Y ) B E N Z Y L ] P H E N O X Y } M E T H Y L ) O X I R A N E A N D [ 2 , 2 ' - [ M E T H Y L E N E B I S ( 2 , 1 - P H E N Y L E N E O X Y M E T H Y L E N E ) ] D I O X I R A N E**

Environmental compartment: PNEC :	Soil. 0.237 mg/kg
Environmental compartment: PNEC :	Fresh water. 0.003 mg/l
Environmental compartment: PNEC :	Sea water. 0 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 0.025 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 0.294 mg/kg
Environmental compartment: PNEC :	Marine sediment. 0.029 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 10 mg/l

**8.2. Exposure controls****Personal protection measures, such as personal protective equipment**

**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400**

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 :

- PVA (Polyvinyl alcohol)

Recommended properties :

- Impervious gloves in accordance with standard EN ISO 374-2

**- 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.

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

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 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****General information :**

Physical state :

Paste.

**Important health, safety and environmental information**

pH :

Not relevant.

Boiling point/boiling range :

Not specified.

Flash point interval :

Not relevant.

Vapour pressure (50°C) :

Below 110 kPa (1.10 bar).

Density :

> 1

Water solubility :

Insoluble.

Melting point/melting range :

Not specified.

Self-ignition temperature :

Not specified.

**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400**

Decomposition point/decomposition range : Not specified.

**9.2. Other information**

VOC (g/l) : 24.45

**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**

No data available.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

**SECTION 11 : TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

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 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 :**

TOLUENE (CAS: 108-88-3)

Oral route :

LD50 = 5580 mg/kg  
Species : Rat  
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route :

LD50 > 5000 mg/kg  
Species : Rabbit

Inhalation route (n/a) :

LC50 = 25.7 mg/l  
Species : Rat  
OECD Guideline 403 (Acute Inhalation Toxicity)  
Duration of exposure : 4 h

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## ETHYLBENZENE (CAS: 100-41-4)

Oral route :	LD50 = 3500 mg/kg Species : Rat
Dermal route :	LD50 = 15400 mg/kg Species : Rabbit
Inhalation route (n/a) :	LC50 = 17.2 mg/l Species : Rat Duration of exposure : 4 h

## SILICA (CAS: 7631-86-9)

Oral route :	LD50 > 5110 mg/kg
Dermal route :	LD50 > 5000 mg/kg Species : Rabbit
Inhalation route (n/a) :	LC50 > 0.691 mg/l

## XYLENE (CAS: 1330-20-7)

Oral route :	LD50 = 3523 mg/kg Species : Rat Other guideline  Species : Rabbit
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## DIOXYDE DE TITANE (CAS: 13463-67-7)

Oral route :	LD50 > 5000 mg/kg Species : Rat OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)
Dermal route :	LD50 > 2000 mg/kg
Inhalation route (n/a) :	LC50 > 4.26 mg/l Species : Rat OECD Guideline 403 (Acute Inhalation Toxicity)

## 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

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

Oral route :	LD50 > 5000 mg/kg Species : Rat
Dermal route :	LD50 > 2000 mg/kg Species : Rat

**Skin corrosion/skin irritation :**

## TOLUENE (CAS: 108-88-3)

Irritation :	Causes skin irritation.
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**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400**

2.3 <= Average score <= 4.0  
Species : Rabbit  
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

DIOXYDE DE TITANE (CAS: 13463-67-7)

Species : Rabbit  
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Respiratory or skin sensitisation :**

TOLUENE (CAS: 108-88-3)

Guinea Pig Maximisation Test (GMPT) :

Non-sensitiser.  
OECD Guideline 406 (Skin Sensitisation)

XYLENE (CAS: 1330-20-7)

Local lymph node stimulation test :

Non-Sensitiser.  
OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

DIOXYDE DE TITANE (CAS: 13463-67-7)

Local lymph node stimulation test :

Non-Sensitiser.  
OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

**Germ cell mutagenicity :**

DIOXYDE DE TITANE (CAS: 13463-67-7)

OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Ames test (in vitro) :

Negative.

SILICA (CAS: 7631-86-9)

No mutagenic effect.

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

Contains epoxy compounds. May cause an allergic reaction.

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

CAS 108-88-3 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 100-41-4 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 7631-86-9 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 7631-86-9 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 1330-20-7 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

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

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**

XYLENE (CAS: 1330-20-7)

Fish toxicity :

LC50 = 2.6 mg/l  
Species : Oncorhynchus mykiss  
Duration of exposure : 96 h  
OECD Guideline 203 (Fish, Acute Toxicity Test)

**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400**

Crustacean toxicity :	Species : <i>Daphnia magna</i>
Algae toxicity :	ECr50 = 2.2 mg/l Species : <i>Pseudokirchnerella subcapitata</i> Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)  NOEC = 0.44 mg/l Species : <i>Pseudokirchnerella subcapitata</i> Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)
ETHYLBENZENE (CAS: 100-41-4)	
Fish toxicity :	LC50 = 32 mg/l Species : <i>Lepomis macrochirus</i> Duration of exposure : 96 h  NOEC = 3.3 mg/l Species : <i>Menidia menidia</i> Duration of exposure : 96 h
Crustacean toxicity :	EC50 = 2.4 mg/l Species : <i>Daphnia magna</i> Duration of exposure : 48 h Other guideline
Algae toxicity :	ECr50 = 5.4 mg/l Species : <i>Pseudokirchnerella subcapitata</i> Duration of exposure : 72 h  NOEC = 3.4 mg/l Species : <i>Pseudokirchnerella subcapitata</i> Duration of exposure : 72 h
DIOXYDE DE TITANE (CAS: 13463-67-7)	
Fish toxicity :	LC50 > 10000 mg/l Species : <i>Cyprinodon variegatus</i> Duration of exposure : 96 h
ALUMINE (CAS: 21645-51-2)	
Fish toxicity :	LC50 > 10000 mg/l Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 10000 mg/l Species : <i>Daphnia magna</i> Duration of exposure : 48 h
BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE (CAS: 1675-54-3)	
Fish toxicity :	LC50 = 2 mg/l Species : <i>Oncorhynchus mykiss</i> Duration of exposure : 96 h
Crustacean toxicity :	EC50 = 1.8 mg/l Species : <i>Daphnia magna</i>



**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400**

Algae toxicity : Duration of exposure : 48 h  
ECr50 = 11 mg/l  
Duration of exposure : 72 h

REACTION MASS OF 2, 2' - [ METHYLENE BIS ( 4, 1 -PHENYLENEOXYMETHYLENE)]DIOXIRANE AND  
[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

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability****12.2.1. Substances**

TOLUENE (CAS: 108-88-3)

Biodegradability : Rapidly degradable.

ETHYLBENZENE (CAS: 100-41-4)

Biodegradability : Rapidly degradable.

XYLENE (CAS: 1330-20-7)

Biodegradability : Rapidly degradable.

ALUMINE (CAS: 21645-51-2)

Biodegradability : Non-rapidly degradable.

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.

REACTION MASS OF 2, 2' - [ METHYLENE BIS ( 4, 1 -PHENYLENEOXYMETHYLENE)]DIOXIRANE AND  
[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.

**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.

**12.6. Other adverse effects**

No data available.

**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400****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 2019 - IMDG 2018 - ICAO/IATA 2020).

**14.1. UN number**

3077

**14.2. UN proper shipping name**

UN3077=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

(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)

**14.3. Transport hazard class(es)**

- Classification :



9

**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
	9	M7	III	9	90	5 kg	274 335 375 601	E1	3	-

Not subject to this regulation if Q &lt;= 5 l / 5 kg (ADR 3.3.1 - DS 375)

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	9	-	III	5 kg	F-A, S-F	274 335 966 967 969	E1	Category A SW23	-

Not subject to this regulation if Q &lt;= 5 l / 5 kg (IMDG 3.3.1 - 2.10.2.7)

**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400**

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	9	-	III	956	400 kg	956	400 kg	A97 A158 A179 A197	E1
	9	-	III	Y956	30 kg G	-	-	A97 A158 A179 A197	E1

Not subject to this regulation if  $Q \leq 5 \text{ l} / 5 \text{ kg}$  (IATA 4.4.4 - DS A197)

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):(r e a c t i o n m a s s o f 2 , 2 ' - [ m e t h y l e n e b i s ( 4 , 1 - p h e n y l e n e o x y m e t h y l e n e ) ] d i o x i r a n e and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl] phenoxy)methyl}oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane)

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

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. 2020/1182 (ATP 15)

**- Container information:**

No data available.

**- Labelling for VOCs present in varnishes, paints and in vehicle refinishing products (2004/42/EC) :**

The permitted European level of VOC in this ready-to-use product is limited to 48.9 g/l.

The permitted European levels of VOC in the ready-to-use product (category II Af) are 150 g/l maximum in 2007 and 130 g/l maximum in 2010.

**- 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 :**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure .

**SPEED 1P1 ENDUIT EPOXY RAPIDE - BASE - 7401171400**

H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

**Abbreviations :**

DNEL : Derived No-Effect Level  
PNEC : Predicted No-Effect Concentration  
CMR: Carcinogenic, mutagenic or reprotoxic.  
UFI : Unique Formula 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.