

MASTIC POLYESTER PLASTOBOAT - RP085226-227-250



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 : MASTIC POLYESTER PLASTOBOAT
Product code : RP085226-227-250.
UFI : 2SD0-R0AC-M00Y-QG0K

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

Mastic

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.

Flammable liquid, Category 3 (Flam. Liq. 3, H226).
Skin irritation, Category 2 (Skin Irrit. 2, H315).
Eye irritation, Category 2 (Eye Irrit. 2, H319).
Reproductive toxicity, Category 2 (Repr. 2, H361d).
Specific target organ toxicity (repeated exposure), Category 2 (STOT RE 2, H373).
Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

2.2. Label elements

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

Hazard pictograms :



GHS08



GHS02



GHS07

Signal Word :

WARNING

Product identifiers :

EC 202-851-5 STYRENE

Hazard statements :

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H361d	Suspected of damaging the unborn child.

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H373	May cause damage to organs through prolonged or repeated exposure (hearing organs) (if inhaled).
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.
Precautionary statements - Prevention :	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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	Classification (EC) 1272/2008	Note	%
CAS: 100-42-5 EC: 202-851-5 REACH: 01-2119457861-32 STYRENE	GHS07, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 Repr. 2, H361d STOT RE 1, H372 Aquatic Chronic 3, H412	D [1] [2]	$2.5 \leq x \% < 10$
CAS: 25013-15-4 EC: 246-562-2 REACH: 01-2119622074-50 BENZENE, ETHENYLMETHYL-	GHS07, GHS09, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 Aquatic Chronic 2, H411	[1]	$0 \leq x \% < 2.5$
CAS: 7779-90-0 EC: 231-944-3 REACH: 01-2119485044-40 TRIZINC BIS(ORTHOPHOSPHATE)	GHS09 Wng Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		$0 \leq x \% < 2.5$

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CAS: 130-15-4 EC: 204-977-6 REACH: 01-2120760462-57 1,4-NAPHTHALENEDIONE	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1C, H314 Skin Sens. 1, H317 Eye Dam. 1, H318 Acute Tox. 1, H330 STOT SE 3, H335 Aquatic Acute 1, H400 M Acute = 10 Aquatic Chronic 1, H410 M Chronic = 1		0 ≤ x % < 2.5
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Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 100-42-5 EC: 202-851-5 REACH: 01-2119457861-32 STYRENE		inhalation: ATE = 11.8 mg/l 4h (vapours)
CAS: 25013-15-4 EC: 246-562-2 REACH: 01-2119622074-50 BENZENE, ETHENYLMETHYL-		inhalation: ATE = 11 mg/l 4h (vapours) dermal: ATE = 4585 mg/kg BW oral: ATE = 3375 mg/kg BW
CAS: 130-15-4 EC: 204-977-6 REACH: 01-2120760462-57 1,4-NAPHTHALENEDIONE		inhalation: ATE = 0.005 mg/l 4h (dust/mist) dermal: ATE = 202 mg/kg BW oral: ATE = 124 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 exposure by inhalation :

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

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.

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

N/A

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

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

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

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.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

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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.

Avoid exposure to pregnant women and warn women of child-bearing age of the possible risks

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.

Remove contaminated clothing and protective equipment before entering eating areas.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged: always ground when decanting. Wear antistatic shoes and clothing and make floors of non-conductive

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

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 inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

Avoid skin and eye contact with this mixture.

Avoid exposure - obtain special instructions before use.

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.

Never open the packages under pressure.

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.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

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.

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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
100-42-5		20 ppm 86 mg/m ³		2(II)
25013-15-4		20 ppm 98 mg/m ³		2(I)

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
100-42-5	23.3	100	46.6	200	Peau/Bruit	84
25013-15-4	50	240	-	-	-	-

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
100-42-5	100 ppm 430 mg/m ³	250 ppm 1080 mg/m ³			

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

TRIZINC BIS(ORTHOPHOSPHATE) (CAS: 7779-90-0)

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.
83 mg/kg body weight/dayInhalation.
Long term systemic effects.
5 mg of substance/m³

Consumers.

Ingestion.
Long term systemic effects.
0.83 mg/kg body weight/dayDermal contact.
Long term systemic effects.
83 mg/kg body weight/dayInhalation.
Long term systemic effects.
2.5 mg of substance/m³

BENZENE, ETHENYLMETHYL- (CAS: 25013-15-4)

Final use:

Exposure method:
Potential health effects:
DNEL :Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
1.65 mg/kg body weight/dayInhalation.
Long term systemic effects.
5.83 mg of substance/m³

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Final use:

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Consumers.

Ingestion.
Long term systemic effects.
0.0833 mg/kg body weight/day

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

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

STYRENE (CAS: 100-42-5)

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.
406 mg/kg body weight/day

Inhalation.
Short term local effects.
297.5 mg of substance/m3

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

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 :

Consumers.

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

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

Inhalation.
Short term local effects.
178.5 mg of substance/m3

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

Predicted no effect concentration (PNEC):

1,4-NAPHTHALENEDIONE (CAS: 130-15-4)

Environmental compartment:
PNEC :

Soil.
0.049 mg/kg

Environmental compartment:
PNEC :

Fresh water.
0.0261 mg/l

Environmental compartment:
PNEC :

Sea water.
0.00261 mg/l

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Environmental compartment: PNEC :	Fresh water sediment. 0.321 mg/kg
Environmental compartment: PNEC :	Marine sediment. 0.0321 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 0.172 mg/l

BENZENE, ETHENYLMETHYL- (CAS: 25013-15-4)

Environmental compartment: PNEC :	Soil. 0.00471 mg/kg
Environmental compartment: PNEC :	Fresh water. 0.0000319 mg/l
Environmental compartment: PNEC :	Sea water. 0.000319 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 1.245 mg/kg
Environmental compartment: PNEC :	Marine sediment. 0.025 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 17 mg/l

STYRENE (CAS: 100-42-5)

Environmental compartment: PNEC :	Soil. 0.2 mg/kg
Environmental compartment: PNEC :	Fresh water. 0.028 µg/l
Environmental compartment: PNEC :	Sea water. 0.014 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 0.04 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 0.614 mg/kg
Environmental compartment: PNEC :	Marine sediment. 0.307 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 5 mg/l

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

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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)

- 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.

- Respiratory protection

Avoid inhaling vapors.

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A3 (Brown)

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

Physical state :

Paste.

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.

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Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : 1.2 % vol

Explosive properties, upper explosivity limit (%) : 8.9 % vol

Flash point

Flash Point : 32.00 °C.

Auto-ignition temperature

Self-ignition temperature : 480 °C.

Decomposition temperature

Decomposition point/decomposition range : Not specified.

pH

pH : Not relevant.

pH (aqueous solution) : Not stated.

Kinematic viscosity

Viscosity : dynamique 80 000 mPas

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 : 1.97

Relative vapour density

Vapour density : Not stated.

9.2. Other information

VOC (g/l) : 227.8

% VOC : 11.2 %

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

Formation of explosible dust/air mixtures

Characteristic of dust particles : Not stated.

Maximum pressure generated by the explosion : Not stated.

Deflagration index (Kst) : Not stated.

Minimum ignition energy : Not stated.

MEC/LEL: Not stated.

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.

N/A

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Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

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

Suspected human reproductive toxicant.

Suspected of damaging the unborn child.

May cause severe damage to organs in the event of repeated or prolonged exposure.

11.1.1. Substances**Acute toxicity :****1,4-NAPHTHALENEDIONE (CAS: 130-15-4)**

Oral route :

LD50 = 124 mg/kg bodyweight/day
Species : Rat

Dermal route :

LD50 = 202 mg/kg bodyweight/day
Species : Rat

Inhalation route (Dusts/mist) :

LC50 = 0.005 mg/l
Duration of exposure : 4 h

TRIZINC BIS(ORTHOPHOSPHATE) (CAS: 7779-90-0)

Oral route :

LD50 > 5000 mg/kg bodyweight/day
Species : Rat

Inhalation route (Dusts/mist) :

LC50 > 5.7 mg/l
Species : Rat

BENZENE, ETHENYLMETHYL- (CAS: 25013-15-4)

Oral route :

LD50 = 3375 mg/kg bodyweight/day
Species : Rat

Dermal route :

LD50 = 4585 mg/kg bodyweight/day

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	Species : Rabbit
Inhalation route (Vapours) :	LC50 = 11 mg/l Duration of exposure : 4 h
STYRENE (CAS: 100-42-5)	
Oral route :	LD50 > 2000 mg/kg bodyweight/day Species : Rat
Dermal route :	LD50 > 2000 mg/kg bodyweight/day Species : Rat OECD Guideline 402 (Acute Dermal Toxicity)
Inhalation route (Vapours) :	LC50 = 11.8 mg/l Species : Rat Duration of exposure : 4 h

11.1.2. Mixture**Skin corrosion/skin irritation :**

N/A

Serious damage to eyes/eye irritation :

N/A

Reproductive toxicant :

N/A

Specific target organ systemic toxicity - repeated exposure :

N/A

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

CAS 25013-15-4 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 100-42-5 : IARC Group 2A : The agent is probably 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****1,4-NAPHTHALENEDIONE (CAS: 130-15-4)**Fish toxicity : LC50 = 0.045 mg/l
Duration of exposure : 96 hCrustacean toxicity : EC50 = 0.026 mg/l
Species : Daphnia magna
Duration of exposure : 48 hAlgae toxicity : ECr50 = 0.42 mg/l
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 hNOEC = 0.011 mg/l
Factor M = 1**TRIZINC BIS(ORTHOPHOSPHATE) (CAS: 7779-90-0)**

Fish toxicity : LC50 < 5.1 mg/l

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	Species : <i>Oncorhynchus mykiss</i> Duration of exposure : 96 h
Crustacean toxicity :	EC50 < 1.7 mg/l Species : <i>Daphnia magna</i> Duration of exposure : 48 h
Algae toxicity :	ECr50 = 0.28 mg/l Factor M = 1 Species : <i>Selenastrum capricornutum</i> Duration of exposure : 72 h
Aquatic plant toxicity :	Duration of exposure : 72 h
BENZENE, ETHENYLMETHYL- (CAS: 25013-15-4)	
Fish toxicity :	Species : <i>Pimephales promelas</i> Duration of exposure : 96 h
Crustacean toxicity :	Species : <i>Daphnia magna</i> NOEC = 0.32 mg/l Species : <i>Daphnia magna</i> Duration of exposure : 21 days
Algae toxicity :	Species : <i>Selenastrum capricornutum</i>
STYRENE (CAS: 100-42-5)	
Fish toxicity :	LC50 = 77.03 mg/l Species : <i>Poecilia reticulata</i> Duration of exposure : 96 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability**12.2.1. Substances****1,4-NAPHTHALENEDIONE (CAS: 130-15-4)**

Biodegradability : Non-rapidly degradable.

TRIZINC BIS(ORTHOPHOSPHATE) (CAS: 7779-90-0)

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

BENZENE, ETHENYLMETHYL- (CAS: 25013-15-4)

Biodegradability : Non-rapidly degradable.

STYRENE (CAS: 100-42-5)

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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No data available.

12.7. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, 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.

N/A

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, 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 2023 - IMDG 2020 [40-20] - ICAO/IATA 2023 [64]).

14.1. UN number or ID number

3269

14.2. UN proper shipping name

UN3269=POLYESTER RESIN KIT, liquid base material

14.3. Transport hazard class(es)

- Classification :



3

14.4. Packing group

III

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F3	III	3	-	5 L	236 340	E0	3	E

If Q <450l, see 2.2.3.1.5.1.

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	3	-	III	5 L	F-E. S-D	236 340	See SP340	Category A	-

if Q < 450 l see IMDG 2.3.2.5.

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	370	10 kg	370	10 kg	A66 A163	E0
	3	-	III	Y370	5 kg	-	-	A66 A163	E0

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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.

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. 2022/692 (ATP 18)

Container information:

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):
<https://echa.europa.eu/substances-restricted-under-reach>.

Explosives precursors :

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

N/A

N/A

The permitted European level of VOC in this ready-to-use product is limited to 150 g/l.

The permitted European level of VOC in the ready-to-use product (category IIBb) is 250 g/l maximum.

Particular provisions :

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, 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.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic 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.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

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H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms :

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.
NOEC : The concentration with no observed effect.
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).
GHS02 : Flame
GHS07 : Exclamation mark
GHS08 : Health hazard
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.