



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

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

1.1. Product identifier

Product name : EPOMAX RESINE/RESIN

Product code : SPIT - VER 10.5.

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

Chemical fixing.

1.3. Details of the supplier of the safety data sheet

Registered company name : SPIT.

Address : 150, route de Lyon.26500.BOURG LES VALENCE.France.

Telephone : 0 810 102 102. Fax : 0 810 432 432.

Email : msds-reach@spit.com

<http://www.spit.fr>

1.4. Emergency telephone number : 112.

Association/Organisation : European emergency number.

Other emergency numbers

NPIS : 0844 892 0111 - <http://www.npis.org>

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).

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

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

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

Hazard pictograms :



GHS07



GHS02

Signal Word :

WARNING

Product identifiers :

EC 239-701-3

TRIMETHYLOLPROPANE TRIACRYLATE

Hazard statements :

H226

Flammable liquid and vapour.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

Precautionary statements - General :

P101

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

P102

Keep out of reach of children.

P103

Read label before use.

Precautionary statements - Prevention :

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing vapours.
- P264 Wash hands thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary statements - Storage :

- P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary statements - Disposal :

- P501 Dispose of contents/container at a disposal facility in accordance with local regulations.

2.3. Other hazards

In the event of dust formed by mechanical action (sanding, sawing, etc..), this dust may cause irritation by inhalation and contact with eyes.

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 satisfies 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 | % |
|---|---|------|-----------------|
| CAS: 14808-60-7 EC: 238-878-4 QUARTZ (SIO2) | | [1] | 25 <= x % < 50 |
| CAS: 15625-89-5 EC: 239-701-3 REACH: 01-2119489896-11 TRIMETHYLOLPROPANE TRIACRYLATE | GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 | | 2.5 <= x % < 10 |
| CAS: 25013-15-4 EC: 246-562-2 REACH: 01-21196222074-50 VINYLTOLUENE | 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 | [1] | 2.5 <= x % < 10 |
| CAS: 1317-65-3 EC: 215-279-6 LIMESTONE | | [1] | 2.5 <= x % < 10 |
| CAS: 13463-67-7 EC: 236-675-5 REACH: 01-2119489379-17 TITANIUM DIOXIDE | | [1] | 0 <= x % < 1 |
| CAS: 1344-28-1 EC: 215-691-6 REACH: 01-2119529248-35 ALUMINIUM OXIDE (AL2O3) | | [1] | 0 <= x % < 1 |
| CAS: 1309-48-4 | | [1] | 0 <= x % < 1 |

| | | | |
|--|--|-----|--------------|
| EC: 215-171-9 | | | |
| MAGNESIUM OXIDE | | | |
| CAS: 7631-86-9 EC: 231-545-4 REACH: 01-2119379499-16 | | [1] | 0 <= x % < 1 |
| SILICON DIOXIDE | | | |

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

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 :**

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

In the event of splashes or contact with eyes :

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

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

In the event of splashes or contact with skin :

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

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

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

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

In the event of swallowing :

Do not give the patient anything orally.

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

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

Seek medical attention immediately, showing the label.

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

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

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

5.1. Extinguishing media

Keep packages cool when in the vicinity of flames.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist

- water with AFFF (Aqueous Film Forming Foam) additive

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

Due to the toxicity of the gas emitted on thermal decomposition of the products, 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 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.

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 earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically 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 dust.

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.

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.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational exposure limits :**

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

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|------------|------------|---------|-----------|--------------|------------|
| 14808-60-7 | 0.05 mg/m3 | - | - | - | R |
| 25013-15-4 | 50 ppm | 100 ppm | - | - | - |
| 13463-67-7 | 10 mg/m3 | - | - | - | - |
| 1344-28-1 | 10 mg/m3 | - | - | - | - |
| 1309-48-4 | 10 mg/m3 | - | - | - | I |

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

| CAS | VME : | VME : | Excess | Notes |
|------------|-----------|-----------|--------|-----------|
| 25013-15-4 | 100 ml/m3 | 490 mg/m3 | 2(l) | DFG |
| 7631-86-9 | - | 4 mg/m3 E | - | DFG, 2, Y |

- Belgium (Order of 19/05/2009, 2010) :

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|------------|-----------|---------|-----------|--------------|------------|
| 14808-60-7 | 0.1 mg/m3 | - | - | - | - |
| 25013-15-4 | 50 ppm | 100 ppm | - | - | - |
| 13463-67-7 | 10 mg/m3 | - | - | - | - |
| 1344-28-1 | 10 mg/m3 | - | - | - | - |
| 1309-48-4 | 10 mg/m3 | - | - | - | - |

- France (INRS - ED984 :2008) :

| CAS | VME-ppm : | VME-mg/m3 : | VLE-ppm : | VLE-mg/m3 : | Notes : | TMP No : |
|------------|-----------|-------------|-----------|-------------|---------|----------|
| 14808-60-7 | - | 0.1 A | - | - | - | 25 |
| 25013-15-4 | 50 | 240 | - | - | - | - |
| 1317-65-3 | - | 10 | - | - | - | - |
| 13463-67-7 | - | 10 | - | - | - | - |
| 1344-28-1 | - | 10 | - | - | - | - |
| 1309-48-4 | - | 10 | - | - | - | - |

- Switzerland (SUVA 2009) :

| CAS | VME-mg/m3 : | VME-ppm : | VLE-mg/m3 : | VLE-ppm : | Temps : | RSB : |
|------------|-------------|-----------|-------------|-----------|---------|-------|
| 14808-60-7 | 0,15 a | - | - | - | - | - |
| 25013-15-4 | 240 | 50 | 480 | 100 | 4x15 | - |
| 1317-65-3 | 3 a | - | - | - | - | - |
| 13463-67-7 | 3a | - | - | - | - | - |
| 1344-28-1 | 3a | - | 24 a | - | 4x15 | - |
| 1309-48-4 | 3a | - | - | - | - | - |
| 7631-86-9 | - | - | - | - | - | - |

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|------------|-----------|--------|-----------|--------------|------------|
| 14808-60-7 | 0.3 mg/m3 | - | - | - | R |
| 13463-67-7 | 10 mg/m3 | - | - | - | TI |
| 1344-28-1 | 10 mg/m3 | - | - | - | TI |
| 1309-48-4 | 10 mg/m3 | - | - | - | TI |

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

TITANIUM DIOXIDE (CAS: 13463-67-7)

Final use:

Exposure method:

Potential health effects:

DNEL :

Workers.

Ingestion.

Long term systemic effects.

700 mg/kg body weight/day

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Long term local effects.

10 mg of substance/m3

TRIMETHYLOLPROPANE TRIACRYLATE (CAS: 15625-89-5)

Final use:

Exposure method:

Potential health effects:

DNEL :

Workers.

Dermal contact.

Long term systemic effects.

0.8 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 16.2 mg of substance/m3

Final use:**Consumers.**

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 1.39 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 0.48 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 4.9 mg of substance/m3

Predicted no effect concentration (PNEC):

TITANIUM DIOXIDE (CAS: 13463-67-7)

Environmental compartment: Soil.
PNEC : 100 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.127 mg/l

Environmental compartment: Sea water.
PNEC : 1 mg/l

Environmental compartment: Intermittent waste water.
PNEC : 0.61 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 1000 mg/kg

Environmental compartment: Marine sediment.
PNEC : 100 %@IDC_PNEC_SEDIMENT_MARIN_UNITS

Environmental compartment: Waste water treatment plant.
PNEC : 100 mg/l

TRIMETHYLOLPROPANE TRIACRYLATE (CAS: 15625-89-5)

Environmental compartment: Soil.
PNEC : 0.0043 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.00147 mg/l

Environmental compartment: Sea water.
PNEC : 0.000147 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 0.0062 mg/kg

Environmental compartment: Marine sediment.
PNEC : 0.00062 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 6.25 mg/l

Environmental compartment: Upper limit value.
PNEC : 5.6 mg/kg

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.

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

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 EN374.

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

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

Type of gloves recommended :

- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

- Impervious gloves in accordance with standard EN374

- 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 to prevent skin contact.

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

- Respiratory protection

Avoid breathing dust.

Type of FFP mask :

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

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

| | |
|------------------|-----------------|
| Physical state : | Viscous liquid. |
|------------------|-----------------|

Important health, safety and environmental information

| | |
|--------------------------|---------------------------|
| pH : | Not relevant. |
| Flash Point Interval : | 55°C < PE <= 60°C |
| Vapour pressure (50°C) : | Below 110 kPa (1.10 bar). |
| Density : | > 1 |
| Water solubility : | Insoluble. |

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

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
- formation of dusts

10.5. Incompatible materials

Keep away from :

- oxidising agents

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

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

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

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

In the event of dust formed by mechanical action (sanding, sawing, etc..), this dust may cause irritation by inhalation and contact with eyes.

May cause an allergic reaction by skin contact.

11.1.1. Substances**Acute toxicity :**

TITANIUM DIOXIDE (CAS: 13463-67-7)

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

Inhalation route : LC50 = 3.43 mg/l
Species : Rat

LIMESTONE (CAS: 1317-65-3)

Oral route : LD50 = 6450 mg/kg
Species : Rat

VINYLTOLUENE (CAS: 25013-15-4)

Oral route : LD50 = 2255 mg/kg
Species : Rat

Dermal route : LD50 = 4500 mg/kg
Species : Rat

Inhalation route : LC50 = 3020 mg/m³
Species : Mouse

TRIMETHYLOLPROPANE TRIACRYLATE (CAS: 15625-89-5)
Oral route : LD50 > 3680 mg/kg
Species : Rat

Dermal route : LD50 = 5170 mg/kg
Species : Rabbit

Inhalation route : LC50 = 0.55 mg/l
Species : Rat

Germ cell mutagenicity :

TRIMETHYLOLPROPANE TRIACRYLATE (CAS: 15625-89-5)
No mutagenic effect.

Mutagenesis (in vitro) : Negative.
Species : Bacteria
OECD Guideline 471 (Bacterial Reverse Mutation Assay)

11.1.2. Mixture

No toxicological data available for the mixture.

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.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

LIMESTONE (CAS: 1317-65-3)
Fish toxicity : LC50 = 10000 mg/l
Species : Oncorhynchus mykiss
Duration of exposure : 96 h

Crustacean toxicity : EC50 > 1000 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

Algae toxicity : ECr50 > 200 mg/l
Species : Desmodesmus subspicatus
Duration of exposure : 72 h

VINYLTOLUENE (CAS: 25013-15-4)
Fish toxicity : LC50 = 23.4 mg/l
Species : Pimephales sp.
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 1.3 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

Algae toxicity : ECr50 = 2.6 mg/l
Species : Selenastrum capricornutum
Duration of exposure : 72 h

TRIMETHYLOLPROPANE TRIACRYLATE (CAS: 15625-89-5)
Fish toxicity : LC50 = 1.47 mg/l
Species : Leuciscus idus
Duration of exposure : 96 h
REACH Method C.1 (Acute Toxicity for Fish)

Crustacean toxicity : EC50 = 4.9 mg/l
Species : Daphnia magna

Duration of exposure : 96 h
REACH Method C.2 (Acute Toxicity for Daphnia)

Algae toxicity :

ECr50 = 18.85 mg/l
Species : Pseudokirchnerella subcapitata
Duration of exposure : 48 h
REACH Method C.3 (Algal Inhibition test)

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

VINYLTOLUENE (CAS: 25013-15-4)

Biodegradability :

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

TRIMETHYLOLPROPANE TRIACRYLATE (CAS: 15625-89-5)

Biodegradability :

Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

VINYLTOLUENE (CAS: 25013-15-4)

Octanol/water partition coefficient :

log K_{ow} = 3.36

Bioaccumulation :

BCF = 32

TRIMETHYLOLPROPANE TRIACRYLATE (CAS: 15625-89-5)

Octanol/water partition coefficient :

log K_{ow} = 0.67

OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

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.

German regulations concerning the classification of hazards for water (WGK) :

WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly 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 2015 - IMDG 2014 - ICAO/IATA 2015).

14.1. UN number

3269

14.2. UN proper shipping name

UN3269=POLYESTER RESIN KIT

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 |

*Not subject to this regulation if Q < 450l.

| IMDG | Class | 2°Label | Pack gr. | LQ | EMS | Provis. | EQ |
|------|-------|---------|----------|-----|---------|---------|-----------|
| | 3 | - | III | 5 L | F-E,S-D | 236 340 | See SP340 |

*Not subject to this regulation if Q < 30l

| 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 |

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. Transport in bulk according to Annex II of MARPOL73/78 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. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.

- Container information:

No data available.

- Particular provisions :

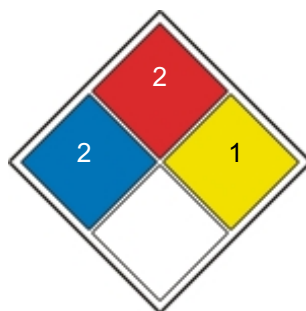
No data available.

- German regulations concerning the classification of hazards for water (WGK) :

WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=2 Inflammability=2 Instability/Reactivity=1 Specific Risk=none

**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. |
| H304 | May be fatal if swallowed and enters airways. |
| 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. |

Abbreviations :

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

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