
SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Preparation:

Name: EPOBAR RESIN (STYREN FREE)

Product code: #VE R 04 A

Company/business:

Registered company name: SPIT.

Address: Route de Lyon - BP 104.26501.BOURG-LES-VALENCE cedex.FRANCE.

Telephone: +33 (0) 4 75 82 20 20.

Emergency telephone No.: +33 (0) 1 45 42 59 59.

Association/Organisation: INRS.

Normal use:

Chemical fixing.

2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous substances present on their own.

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

607-111-00-9 Cas 15625-89-5 EEC 239-701-3 TRIMETHYLOLPROPANE TRIACRYLATE | Concentration $\geq 10.00\%$ and $< 25.00\%$. Symbol: Xi R: 36/38-43**Other substances representing a hazard:**SPIT002 Cas 25013-15-4 EEC 246-562-2 VINYL TOLUÈNE | Concentration $\geq 10.00\%$ and $< 25.00\%$. Symbol: Xn
R: 10-36/37/38-20**Substances present at a concentration below the minimum danger threshold.**

No known substance in this category present.

Other substances with occupational exposure limits.

No known substance in this category present.

3 - IDENTIFICATION OF HAZARDS

This product is classed: Flammable.

Possibility of irritation to the eyes, by inhalation and skin.

Possibility of skin sensitisation. The preparation may also irritate the skin and prolonged contact may aggravate this effect.

4 - FIRST AID MEASURES

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

NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation.

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

In the event of inhalation, move the patient into the fresh air and keep him/her warm and still.

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

Do not give the patient anything orally.

If the person is unconscious, place in the recovery position and call an ambulance.

In the event of splashes or contact with eyes.

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

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

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.
DO NOT use solvents or thinners.

In the event of swallowing.

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 still. DO NOT induce vomiting.

Call a doctor immediately and show him the label.

5 - FIRE-FIGHTING MEASURES

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

In the event of fire, the recommended extinguishing agents are:

Carbon dioxide, chemical powders, foams, and other extinguishing gases.

In the event of fire, use specifically suitable extinguishing agents. Never use water.

Extinguishing agents not to be used

Water is not generally recommended since it can be ineffective; however, it can be used successfully to cool containers exposed to the fire and to disperse fumes.

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

Do not breathe in smoke.

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

Special equipment for fire-fighting personnel.

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

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.

6 - ACCIDENTAL RELEASE MEASURES**Safety precautions:**

Eliminate any possible source of ignition and ventilate the premises.

On account of the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the premises.

Avoid inhaling the fumes.

Avoid any contact with the skin and eyes.

Consult the safety measures listed under headings 7 and 8.

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

Environmental safety precautions:

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

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

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

Cleaning methods:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Anyone with a history of skin sensitisation must on no account handle such products

Handling:

Handle in well-ventilated areas.

The fumes are denser than air. They can spread along the ground and form explosive mixtures with air

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

Fire prevention:

Prevent the accumulation of electrostatic charges with connections to earth

The preparation may become electrostatically charged; always place on the ground during transfer. Wear antistatic shoes and clothes and make floors of conductive materials.

Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment

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 safety, see §8.

Observe precautions stated on label and also industrial safety regulations

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

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

In all cases, recover emissions at source

Provide fume 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

Avoid contact of product with the skin and eyes

Prohibited equipment and procedures.

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

Storage.

Keep the container tightly closed in a dry place.

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

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

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.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Anyone with a history of skin sensitisation must on no account handle such products.

Technical measures.

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

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

If this ventilation is insufficient to maintain the concentration of particles and dust below the exposure limits, wear breathing apparatus.

Check the atmosphere periodically.

Avoid inhaling dust

If this ventilation is insufficient to maintain the concentration of fumes below the exposure limits, wear breathing apparatus

Exposure limits per INRS ND 2098-174-99 and ND 2114-176-99:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
25013-15-4	50	240	-	-	-	-
Germany	Class:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
25013-15-4	V	100	490	-		
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
25013-15-4	50	242	100	483	A4	S

Exposure limits per 2000/39/EC and 98/24/EC:

VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:

Safety breathing apparatus:

With this preparation, avoid in particular any inhalation of fumes.

Hand protection.

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

Due to the solvents present, it is recommended that polyvinyl alcohol or nitrile rubber gloves be worn.

Eye and face protection.

Avoid contact with eyes.

Wear safety goggles.

Provide eye washes in workshops where the product is constantly handled

Skin protection.

For further information, see § 11 of S.D.S. - Toxicological information.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Density:	> 1
Acid/base character of preparation:	not relevant.
Solubility of preparation in water:	Insoluble.
Vapour tension at 50°C of volatile constituents:	Below 110 kPa (1.10 bar).
Physical state:	viscous liquid
Flash point interval:	23°C. < Flash point: <= 55°C.
The pH is impossible to measure or its value is not relevant.	
Self-ignition temperature:	490 °C.
Decomposition temperature:	not specified.
Melting temperature interval:	not specified.
Average distillation temperature of solvents contained:	not specified.

Other data:

Flash point : 53°C.

10 - STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Exposure to fumes from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as:

Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.

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

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

Splashes in the eyes may cause irritation and reversible damage

It is generally agreed that substances contained are likely to cause the appearance of major lesions which persist for at least twenty-four hours after application to the eye of an animal

and are likely to cause significant irritation which lasts for at least twenty four hours after application to the healthy, unbroken skin of an animal for a period of up to 4 hours.

It is generally agreed that substances contained are likely to cause serious irritation of the respiratory system and, when applied to the eye of an animal, the appearance of major lesions which persist for at least twenty-four hours.

It is generally agreed that substances contained are likely to cause, among certain predisposed subjects, a sensitisation reaction by cutaneous route

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

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

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

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Codes of wastes (Decision 2000/532/EC, Directive 75/442/EEC, Directive 91/689/EEC on hazardous waste) :

08 04 09 * waste adhesives and sealants containing organic solvents or other dangerous substances

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

UN3269=POLYESTER RESIN KIT

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.
	3	F1	III	3	-	LQ7	236-640

Not subject to this regulation if Q < 450l.

IMDG	Class	2°Label	Pack gr.	LQ	Identif.	Provis.
	3		III	5 L	3-07	236 944

Not subject to this regulation if Q < 450l

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note
	3	-	III	-	-	-	-	-
	3	-	III	-	-	-	-	-

15 - STATUTORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations
In addition directive 2001/59/EC with the 28° adaptation of directive 67/548/EC (Hazardous substances) have been taken into account.

Preparation classification.

Irritant.

Flammable.

**Contains:**

607-111-00-9 TRIMETHYLOLPROPANE TRIACRYLATE

Particular hazards associated with the preparation and safety recommendations:

R 43	May cause sensitisation by skin contact.
R 36/37/38	Irritating to eyes, respiratory system and skin.
R 10	Flammable.
S 2	Keep out of reach of children.
S 24	Avoid contact with skin.
S 37	Wear suitable gloves.
S 46	If swallowed, seek medical advice immediately and show this container or label.
S 13	Keep away from food, drink and animal feeding stuffs.
S 25	Avoid contact with eyes.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 51	Use only in well ventilated areas.
S 64	If swallowed, rinse mouth with water (only if the person is conscious)

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 product must not be used for any purposes other than those specified under heading 1 without first obtaining 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 given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 2:

- | | |
|------------|--|
| R 10 | Flammable. |
| R 20 | Harmful by inhalation. |
| R 36/37/38 | Irritating to eyes, respiratory system and skin. |
| R 36/38 | Irritating to eyes and skin. |
| R 43 | May cause sensitisation by skin contact. |