



SAFETY DATA SHEET

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According to 91/155/EEC

18-10-95

1- COMMERCIAL NAME : EPO 5019 RESIN

2- COMPOSITION/INFORMATION ON INGREDIENTS :

Epoxy Resin (number average molecular weight < 700)	20 - 30 %
EEC No : 603-074-00-8	CAS No: 25068-38-6
Irritant (Xi), R 36/38-43	

3- HAZARDS IDENTIFICATION :

- Irritating to eyes and skin.
- May cause sensitization by skin contact.

4- FIRST AID MEASURES :

- Change any soiled clothing immediately.
- *In case of eye contact* : open eyelids as far as possible and flush with large quantities of water for at least fifteen minutes. Call a physician ,preferably an eye specialist.
- *In case of skin contact* : physically remove the product and wash skin thoroughly with soap and water. Consult a physician if skin irritation occurs.
- *In case of swallowing* : don't attempt to make him/her vomit. Call a physician and (or) hospitalize the patient immediately.
- *In case of inhalation* : remove the patient from the contaminated area. Call a physician if aftereffects occur.

5- FIRE-FIGHTING MEASURES :

5-1 Fire-extinguisher types :

- Use : chemical foam, CO₂, powder. Where the fire is of major proportions, water spray may also be used.
- Do not use :

5-2 Specific fire and explosion risks :

Incomplete combustion or pyrolysis mainly produces oxides of carbon and water.

5-3 specific protective measures during firefighting :

Firefighting personnel should be equipped with insulated, autonomous respiratory protection equipment.

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6- ACCIDENTAL RELEASE MEASURES :

6-1 Individual protection :

Wearing of suitable protective clothing and protective equipment for face/eyes.

6-2 Environmental protection : Please see § 12

6-3 Decontamination procedures :

- Contain spilt material in order to avoid its transfer to sewers or rivers and streams.
- Physically remove the material.
- Cover material with sand, earth or any other similar absorbent material in order to soak product up. The resulting mix may then be shovelled into cans and removed for disposal (Please see § 13).

7- HANDLING AND STORAGE :

7-1 Handling :

- Inform personnel of risks associated with the product, the precautions to be taken and procedures to follow where an accident occurs.
- Observe personal hygiene rules to avoid contact with eyes and skin.
- Avoid inhaling vapours produced by the material when heated.
- General ventilation in the area should be sufficient (fan-driven). Where vapours could possibly escape into the air in the workplace, local specific means of ventilation will be necessary.
- Install showers and eye baths ("fountain" type).
- Wash hands thoroughly at beginning of every work break and at the end of the working day.
- Work stations and the general working area must be kept perfectly clean.
- Avoid exposure to the material of persons having suffered from eczema or allergic to epoxy resins or still suffering from any skin condition, wound, cut or irritation.

7-2 Storage :

- Keep the material hermetically sealed in its original packaging, protected from humidity and at a temperature between 15 and 25°C in a well-ventilated storage facility.
- Ensure that the floor of the storage area is impermeable and concave in profile in order to provide effective containment.
- Reproduce labelling on all new packs where original packaging is divided.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION :

8-1 Exposure controls :

Not available.

8-2 Personal protection :

- respiratory protection : NO
- gloves : YES (rubber)
- eye protection : YES

Do not mix work clothing and normal clothing. Wash hands thoroughly at beginning of every work break and at the end of the working day.

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9- PHYSICAL AND CHEMICAL PROPERTIES :

Physical state : thick liquid

Colour : several colour available

Odour : epoxy

pH : NA

Flash point (PENSKY-MARTENS) : > 110 °C

Self ignition temperature (DIN 51 794) : > 300 °C

Decomposition temperature : > 200°C

Specific gravity : 2700 kg/m³ approx.

Solubility : - in water : at 20°C : low (immiscible)

- in solvents : YES (soluble in many organic solvents : benzene hydrocarbons and chlorinated hydrocarbons, acetone, phthalates, ...)

10- STABILITY AND REACTIVITY

10-1 Dangerous decomposition by-products :

- These are non-existent if storage and handling rules are followed (please see also § 5-2).

- Excessive heating over long periods causes resin degradation.

10-2 Hazardous reactions with :

Exothermic reaction with products containing active hydrogen (especially acids, alcohols, bases such as soda, ammonia, amines, polymercaptans etc.)

11- TOXICOLOGICAL INFORMATION :

Effects on eyes : may cause slight temporary irritation.

Effects on skin : repeated or prolonged single exposure may cause irritation to the skin. May cause a cutaneous allergic reaction in predisposed individuals. It appears unlikely that any danger is attached to absorption of quantities of the product through the skin following prolonged single exposure.

Effects of inhalation : No foreseeable harmful effects.

Effects on ingestion : low toxicity for a single oral dose.

12- ECOLOGICAL INFORMATION :

Based on data for one or more similar products :

- *Ecotoxicity* : the product is probably moderately toxic to fish. Toxicity for aquatic invertebrates in static acute conditions is probably high.

- *Biodegradability* : non-biodegradable.

Given that this product is non-biodegradable and is moderately toxic to fish, it can be considered to be a potential pollutant.

13- DISPOSAL CONSIDERATIONS

Dispose of the product by burning in a suitable incinerator or bury in an approved landfill following all applicable local and/or national regulations.

Empty containers may not be disposed of unless any remaining material adhering to the internal walls has been removed.

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14- TRANSPORT INFORMATION :

Not covered by official regulations.

15- REGULATORY INFORMATION :

Labelling : EEC-Directive No 67/548/CEE

N° CAS : 25068-38-6

Symbol : Xi (Irritant)

Epoxy Resin (number average molecular weight < 700)

Nature of risks, R-phrases : 36/38-43

Safety advice, S-phrases : 28(water + soap)-37/39

Please refer to any other national measures or regulations that may be relevant to the product.

16- OTHER INFORMATION :

REVEALING MODIFICATION :

Revised : 18-10-95

Supersedes sheet : 22-08-91

This sheet provides a complement to the product use instructions but does not replace them. The information it contains is based on our current knowledge of the product concerned at the date of drafting. That information is given in good faith and does not in any circumstances remove from the user his duty to be aware of and to follow all legal regulations and statutes covering his activities. The user takes sole responsibility for application of safety measures covering the use of the product he is aware of. We also draw the user's attention to the risks attached to any use of the product for applications for which it was not designed. 08/95
