

# SAFETY DATA SHEET

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

### Identification of the substance or preparation:

Name: 531 BREPOXY (part A).  
Product code: 531A.

### Company/undertaking identification:

Registered company name: PAREXLANKO.SA.  
Address: 19, place de la résistance.92446.Issy les Moulineaux.France.  
Telephone: 01.41.17.45.45. Fax: 01.41.17.46.70.  
sandrine.haumesser@parexlanko.com  
www.parexlanko.com

### Emergency telephone: +33 (0)1 45 42 59 59.

Association/Organisation: INRS / ORFILA <http://www.centres-antipoison.net>.

### Use of the substance/preparation:

Liquid to mix with the part B

## 2 - HAZARDS IDENTIFICATION

This product is not classified as flammable. Refer to the recommendations regarding the other products present on the site

Possibility of irritation to the eyes and skin.

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

Possibility of category three mutagenic effects.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Preparation classification:

Harmful Dangerous for the environment  
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R 43 May cause sensitisation by skin contact.  
R 36/38 Irritating to eyes and skin.  
R 68 Possible risk of irreversible effects.

Contains epoxy constituents. See information supplied by the manufacturer.

## 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

### 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)

INDEX	CAS	EC	Name	Symb.	R:	%
603-056-00-X	2210-79-9		218-645-3		2,3-EPOXYPROPYL O-TOLYL ETHER Xn N	Muta. Cat. 3;
R68Xi;R38 R43N; R51/53Note(s): C 10 <= x % < 25						

### Other substances representing a hazard:

INDEX	CAS	EC	Name	Symb.	R:	%
603-074-00-8	25068-38-6		500-033-5		REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN)	
EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT < 700) Xi N Xi;R36/38 R43N; R51/53 50 <= x % < 100						

### 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.

## 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 case of massive inhalation, make the patient breathe fresh air and keep him warm and calm. In case of unconsciousness, lie and carry in safety position the person. Consult a doctor.

**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:**

DO NOT use solvents or thinners.

Remove contaminated clothing and wash skin thoroughly with soap and water or use a well known cleaner and rinse.

**In the event of swallowing:**

For small quantities, rinse the mouth with water and seek medical advice. For large quantities, do not allow the person to drink; do not cause the person to vomit. Transfer the person to a hospital and show the product label or this material safety data sheet to the medical staff on duty.

**Specific and immediate treatment:**

Wash with water

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## 5 - FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Carbon dioxide, extinguishing powder, sprayed water.

Combat important fire with sprayed water or foam.

**Extinguishing media which must not be used for safety reasons:**

Jet of high pressure water

**Special protective equipment for fire-fighters:**

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.

Protective clothing against fire (helmet, coat, trousers, boots and suitable gloves)

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## 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Avoid any contact with the skin and eyes.

Consult the safety measures listed under headings 7 and 8.

**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.

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

**Methods for cleaning up:**

Clean preferably with a detergent, do not use solvents.

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## 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:**

Use in well ventilated area.

**Fire prevention:**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures:**

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

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.

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## 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

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

Avoid mucous, eyes and hands contact.

Do not rub eyes with dirty hands.

### Respiratory protection:

Respiratory equipment not necessary in well ventilated area.

In case of irritation respiratory, use a mask with an absorbent cartridge.

### Hand protection:

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

In the event of prolonged or repeated contact with the hands, use appropriate gloves.

### Eye and face protection:

Avoid contact with eyes.

Wear safety goggles.

Envisage in the vicinity a clean water container or an ocular fountain in the event of projection in the eyes

### Skin protection:

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

In case of contact, all parts of the body which have come into contact with the product must be washed thoroughly with soap and water.

Closed working clothes protecting forearms in continuous with gloves. Protective "barrier" creams can be used. Avoid prolonged contact.

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## 9 - PHYSICAL AND CHEMICAL PROPERTIES

### General information:

Physical state: fluid liquid

### Important health, safety and environmental information:

pH of the substance or preparation: not relevant.

The pH is impossible to measure or its value is not relevant.

Boiling point/boiling range: not relevant.

Flash point interval: Flash point > 60°C

Flash point: 121.00 °C.

Vapour pressure: Below 110 kPa (1.10 bar).

Density: > 1

Water solubility: Insoluble.

### Other information:

melting point/melting range: not relevant.

Self-ignition temperature: not relevant.

Decomposition point/decomposition range : not relevant.

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## 10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet,

To very high temperature, some hazardous products can be given off such as carbon monoxide, smoke and nitrogen oxide..

### Conditions to avoid:

No decomposition in case of well use. A very high and prolonged heat damage the product

### Materials to avoid:

Base, acid, oxidizing agent, alcohol.

Polymerization reaction can occur with amines with release of heat. This reaction can be dangerous if the quantities of products are more than 1.5Kg.

### Hazardous decomposition products:

Gas and irritant steam.

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## 11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

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, among certain predisposed subjects, a sensitisation reaction by coetaneous route

On the basis of the properties of the epoxies components and toxicological data relating to similar preparations, the preparation may cause sensitisation of the skin and the respiratory organs and may also be 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 epoxies compounds.

It is generally agreed that substances contained are likely to cause category 3 mutagenic effects.

#### In the event of exposure by inhalation:

At ambient temperature, the exposition to the steam is very low because of the physical properties. An massive inhalation can occur undesirable effect.

#### In the event of swallowing:

By oral administration, the toxicity of the product is low. For epoxies compounds DL50> 2000mg/kg (rat)

#### In the event of splashes or contact with skin:

A short and single exposure should not cause significant skin irritation. Prolonged and repeated exposure can cause skin irritation or burns.

For epoxies compounds DL50> 2000mg/kg (rabbit)

#### In the event of splashes or contact with eyes:

Splash in the eyes can occur a temporary light irritation. An injury of the corneal is not likely.

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## 12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

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

#### Persistence and degradability:

The product is not easily biodegradable

#### Ecotoxicity:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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## 13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

#### Waste:

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.

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## 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 2009 - IMDG 2008 - ICAO/IATA 2009).

Classification:

Pollutants to the aquatic environment:

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(2,3-epoxypropyl o-tolyl ether, reaction product: bisphenol-a-(epichlorhydrin) epoxy resin (number average molecular weight < 700))

ADR/RID	Class Tunnel	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.
	9	M6	III	9	90	LQ7	274 335 601E1		3E
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ		
	9	-	III	5 L	F-A,S-F	179 274 335 909		E1	
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	9	-	III	914	450 L	914	450 L	A97 A158	E1
	9	-	III	Y914	30 kg G	-	-	A97 A158	E1

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## 15 - REGULATORY INFORMATION

Contains epoxies compounds - refer to the information supplied by the manufacturer. This information is found on this safety data sheet.

#### Classification by:

So called 'all preparations' Directive 1999/45/EC and its adaptations.

EC regulation 1272/2008 (CLP) and its adaptations (EC regulation 790/2009).

#### Preparation classification:

Harmful                      Dangerous for the environment

#### Contains:

218-645-3                      2,3-EPOXYPROPYL O-TOLYL ETHER  
500-033-5                      REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER  
AVERAGE MOLECULAR WEIGHT < 700)

#### Particular hazards associated with the preparation and safety recommendations:

R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 43	May cause sensitisation by skin contact.
R 36/38	Irritating to eyes and skin.
R 68	Possible risk of irreversible effects. Contains epoxy constituents. See information supplied by the manufacturer.
S 24	Avoid contact with skin.
S 37	Wear suitable gloves.
S 61	Avoid release to the environment. Refer to special instructions/Safety data sheets.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 39	Wear eye/face protection.
S 60	This material and its container must be disposed of as hazardous waste.
S 41	In case of fire and/or explosion do not breathe fumes.
S 57	Use appropriate container to avoid environmental contamination.

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## 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 3:

R 36/38	Irritating to eyes and skin.
R 38	Irritating to skin.
R 43	May cause sensitisation by skin contact.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 68	Possible risk of irreversible effects.

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