

SAFETY DATA SHEET

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

Identification of the substance or preparation:

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

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 A.

2 - HAZARDS IDENTIFICATION

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

Possibility of corrosive effects.

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

Possibility of noxious effects with symptoms of slight poisoning by swallowing.

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

Preparation classification:

Corrosive 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 22 Harmful if swallowed.
R 34 Causes burns.
For professional use only.

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:	%
612-058-00-X	111-40-0	203-865-4	DIETHYLENETRIAMINE	C	C; R34Xn; R21/22Xi; R43	2.5 <= x % < 10
612-067-00-9	2855-13-2	220-666-8	3-AMINOMETHYL-3,5,5-TRIMETHYL-CYCLOHEXYLAMINE	C	C; R34Xn; R21/22Xi; R43R52/53	10 <= x % < 25

Other substances representing a hazard:

INDEX	CAS	EC	Name	Symb.	R:	%
601-053-00-8	25154-52-3	246-672-0	NONYLPHENOL	C N	Repr. Cat. 3; R62 R63C; R34Xn; R22N; R50/53	2.5 <= x % < 10
603-057-00-5	100-51-6	202-859-9	BENZYL ALCOHOL	Xn	Xn; R20/22	10 <= x % < 25
604-001-00-2	108-95-2	203-632-7	PHENOL	T	Muta. Cat. 3; R68T; R23/24/25C; R34Xn; R48/20/21/22	0 <= x % < 1

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.

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

In the event of splashes or contact with skin:

Remove all contaminated or stained clothing immediately. Do not use them again until they have been decontaminated.

Wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

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.

Cover the wound with sterile gauze.

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, administer activated medical charcoal and consult a doctor.

Consult a doctor and show him the label.

If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.

Specific and immediate treatment:

Wash with water.

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)

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid any contact with the skin and eyes.

Consult the safety measures listed under headings 7 and 8.

Non-slip boots should be worn.

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:

Neutralise with an acidic decontaminant.

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:

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

Product must not come into contact 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 food and drink, including those for animals.

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.

Exposure limit values per INRS ED 984:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
111-40-0	1	4	-	-	AC	49.49 Bis
108-95-2	2	7.8	4	15.6	*	-
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
111-40-0	1	4.2	-	-	*	-
108-95-2	5	19	-	-	*	-

Exposure limit values per 2009/161/EU, 2006/15/CE, 2000/39/EC and 98/24/EC:

EC	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Notes:
108-95-2	8	2	16	4	Peau

Exposure limit values (2003-2006):

UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
111-40-0	1 ppm	-	-	-	-
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:
111-40-0	1 ppm	-	-	-	-
108-95-2	2 ppm	-	-	-	-
UK/MEL	TWA:	STEL:	Ceiling:	Definition:	Criterion:
108-95-2	2 ppm	-	-	-	-

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.

Where there is a risk of contact with the hands, suitable gloves must be used

Type of gloves recommended :

- Butyl rubber

- Nitrile

Eye and face protection:

Avoid contact with the skin and eyes

Provide personnel with gloves, face masks and safety goggles.

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

Skin protection:

Wear suitable protective clothing, in particular an apron and boots. These items must be kept in good condition and cleaned after use.

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

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state:

fluid liquid

Important health, safety and environmental information:

pH of the substance or preparation:	slightly basic.
When a pH measure is possible, it has a value of:	not stated.
Boiling point/boiling range:	not relevant.
Flash point interval:	Flash point > 60°C
Flash point:	108.00 °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.

10 - STABILITY AND REACTIVITY

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

Materials to avoid:

Minerals acids, organics acids, oxidizing agents

Hazardous decomposition products:

Gas and irritant steam.

Ammoniac, carbon monoxide, carbon dioxide, nitrogen oxides

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

It is generally agreed that substances contained are likely to cause tissue damage in less than four hours after application to the healthy, unbroken skin of an animal.

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

In the event of exposure by inhalation:

Benzyl alcohol: CL50/4h >4178 mg/kg (rat)

Benzyl alcohol: CL50/8h = 1000ppm/kg (rat)

Isophronediamine : CL50 > 10mg/l/h (rat)

In the event of swallowing:

Swallowing will lead to a strong caustic effect on mouth and throat and danger of perforation of the digestive tract of the stomach.

Benzyl alcohol : DL50 = 1230-3100 mg/kg (rat)

Diethylenetriamine : DL50 =1080mg/kg (rat)

Isophronediamine : DL50 = 1030 mg/kg (rat).

In the event of splashes or contact with skin:

Benzyl alcohol : DL50 = 2000 mg/kg (rabbit)

Diethylenetriamine : DL50 =1090 mg/kg (rabbit)

Isophronediamine : DL50 = 1840 mg/kg (rabbit)

Corrosive effect on skin and mucous

In the event of splashes or contact with eyes:

Irritant effect with risk of serious disease on eyes.

Other data:

CAS 108-95-2 : IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

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.

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.

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:

UN2735=AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.

(3-aminomethyl-3,5,5-trimethyl-cyclohexylamine, diethylenetriamine)

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.
	Tunnel								
	8	C7	III	8	80	LQ7	274	E1	3E
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ		
	8	-	III	5 L	F-A,S-B	223 274	E1		
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	8	-	III	818	5 L	820	60 L	A3	E1
	8	-	III	Y818	1 L	-	-	A3	E1

15 - REGULATORY INFORMATION

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:

Corrosive Dangerous for the environment

Contains:

202-859-9 BENZYL ALCOHOL
203-632-7 PHENOL
203-865-4 DIETHYLENETRIAMINE
220-666-8 3-AMINOMETHYL-3,5,5-TRIMETHYL-CYCLOHEXYLAMINE

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 22 Harmful if swallowed.
R 34 Causes burns.
 For professional use only.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
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.

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 20/22 Harmful by inhalation and if swallowed.
- R 21/22 Harmful in contact with skin and if swallowed.
- R 22 Harmful if swallowed.
- R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- R 34 Causes burns.
- R 43 May cause sensitisation by skin contact.
- R 48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
- R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 62.F3 Possible risk of impaired fertility.
- R 63.G3 Possible risk of harm to the unborn child.
- R 68 Possible risk of irreversible effects.

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