

SAFETY DATA SHEET

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

Identification of the substance or preparation:

Name: SR 632.
Product code: 674.
EPOXY RESIN

Company/undertaking identification:

Registered company name: SICOMIN Composites.
Address: RN 568 - BP 23.13161.Châteauneuf les Martigues.France.
Telephone: +33 (0)4 42 42 30 20. Fax:+33 (0)4 42 81 29 29. Telex:.
E- mail: composites@sicomin.com
<http://www.sicomin.com>

Emergency telephone: .

Association/Organisation: ORFILA tél: +33(0)1.45.42.59.59.

2 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 2: 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:	%
	9003-36-5	500-006-8	REACTION PRODUCT: BISPHENOL- F -(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT < 700)	Xi N	36/38 43 51/53	50 <= x % < 100
603-074-00-8	25068-38-6	500-033-5	REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT < 700)	Xi N	36/38 43 51/53	25 <= x % < 50
	68081-84-5	2683582	ALKYLGLYCIDYLETHER	Xi N	36/38 43 51/53	2.5 <= x % < 10

Other substances representing a hazard:

No known substance in this category present.

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 not classed 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.

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

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 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.

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.

Call a doctor immediately and show him the label.

5 - FIRE-FIGHTING MEASURES

Not relevant.

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.

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

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.

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.

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.
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

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: > 61°C

vapour pressure: not specified.

Density:	> 1
Density:	1.13 ± 0.02
water solubility:	Insoluble.
Viscosity:	1500 - 2500 cps @ 25°C
Other information:	
melting point/melting range:	not relevant.
Self-ignition temperature:	not relevant.
Decomposition point/decomposition range :	not relevant.
% VOC:	0
Miscibility	Alcohols, aromatic hydrocarbons

10 - STABILITY AND REACTIVITY

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

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 cutaneous route

On the basis of the properties of the epoxide 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 epoxide compounds.

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

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

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 2005 - IMDG 2004 - ICAO/IATA 2005).

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

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.
	9	M6	III	9	90	LQ7	274



IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.
	9	-	III	5 L	F-A,S-F	274 909 944

Marine Pollutant P



IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note
	9	-	III	914	No Limit	914	No Limit	A97
	9	-	III	Y914	30 kg G	-	-	-

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 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account. This product is not classed as flammable. Contains epoxide compounds - refer to the information supplied by the manufacturer. This information is found on this safety data sheet.

Preparation classification:

Irritant.



Dangerous for the environment.



Contains:

603-074-00-8

REACTION PRODUCT: BISPHENOL- F -(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT < 700)
REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT < 700)
ALKYLGLYCIDYLETHER

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 sensitization by skin contact.
R 36/38	Irritating to eyes and skin.
	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 57	Use appropriate containment to avoid environmental contamination.
	Marine Pollutant P.

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