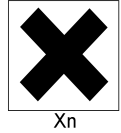
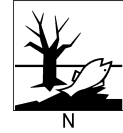




Safety Data Sheet

M27 MASTICE EPOSSIDICO PER GRANITO 'F'



Safety Data Sheet dated 7/4/2008, version 5

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Trade name: M27 Epossidico per Granito 'F'

Trade code: M27

Product type and use: Adhesive for marble and stone

Company:

Ind. Chimica Reggiana spa Via Gasparini, 7 42100 Reggio Emilia ITALY

Tel. +39 0522-517803 Fax +39 0522-514384

Safety data office:

sdsre@icrsprint.it

Emergency telephone number of the company and/or of an authorised advisory centre:

Industria Chimica Reggiana - Tel. +39-0522-514803

2. HAZARDS IDENTIFICATION

If brought into contact with the eyes, the product causes irritation that may last for over 24 hours, and if brought into contact with the skin it causes significant inflammation with erythema, scabs, and oedema.

If brought into contact with the skin, the product may cause sensitisation of the skin.

Possible risk of irreversible effects.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

20% - 25% Reaction product: bisphenol-F-(epichlorhydrin),

Epoxy resin (average molecular weight \leq 700)

CAS: 9003-36-5 EC: 500-006-8

Xi,N; R36/38-43-51-53

10% - 12.5% Reaction product: bisphenol-A-(epichlorhydrin),

Epoxy resin (average molecular weight \leq 700)

N.67/548/CEE: 603-074-00-8 CAS: 25068-38-6 EC: 500-033-5

Xi,N; R36/38-43-51-53

5% - 7% [(tolyloxy)methyl]oxirane

N.67/548/CEE: 603-056-00-X CAS: 26447-14-3 EC: 247-711-4

Muta. Cat. 3, Xi,N; R38-43-51-53-68

4. FIRST AID MEASURES

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:

Wash immediately and thoroughly with running water, keeping eyelids raised, for at least 10 minutes. Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief.

OBTAIN A MEDICAL EXAMINATION.

Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist).

Swallowing:

Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.

A suspension of activated charcoal in water, or liquid paraffin may be administered.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.



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5. FIRE-FIGHTING MEASURES

Recommended extinguishers:
Water, CO₂, Foam, Chemical powders, according to the materials involved in the fire.

Extinguishers not to be used:
None in particular.

Risks arising from combustion:
Avoid inhaling the fumes.

Protective equipment:
Use protection for the respiratory tract.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:
Use a mask, gloves and protective clothing.

Environmental measures:
Limit leakages with earth or sand.
If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:
Rapidly recover the product. To do so, wear a mask and protective clothing.
If the product is in a liquid form, stop it from entering the drainage system.
Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.
After the product has been recovered, rinse the area and materials involved with water.

7. HANDLING AND STORAGE

Handling precautions:
Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.
Do not eat or drink while working.

Storage conditions:
Always keep the containers tightly closed.
Keep away from unguarded flame, sparks, and heat sources.
Avoid direct exposure to sunlight.

Instructions as regards storage premises:
Adequately ventilated premises.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:
Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:
Use respiratory protection where ventilation is insufficient or exposure is prolonged, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).
Not needed for normal use, however adopt good working practices.

Protection for hands:
Use protective gloves that provides comprehensive protection, EN374 Class 3 (F-H). E.g. neoprene or nitrile.

Eye protection:
Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1).

Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Exposure limit(s) (ACGIH):
None.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: Thixotropic paste, grey
Odour: Typical
Flash point: 160 °C
Relative density: 1.8
Solubility in water: Insoluble



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10. STABILITY AND REACTIVITY

Conditions to avoid:
Stable under normal conditions.

Substances to avoid:
None in particular.

Hazardous decomposition products:
It may catch fire on contact with powerful oxidising agents.

11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

Set out below is the toxicological information relating to the main substances in the preparation. Liquid epoxy resin contained in this material causes only minor skin irritation. However, all epoxy resins are capable of causing sensitizing of the skin. Susceptibility to skin irritation and sensitization varies from person to person.

In a sensitized individual the allergic dermatitis may not appear until after several days or weeks of frequent and prolonged contact. Therefore, even though the skin irritation potential is slight, skin contact should be avoided.

Once sensitization has occurred, exposure of the skin to very small quantities of the material may cause erythema and edema.

12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

List of substances dangerous for the environment and corresponding classification:

20% - 25% Reaction product: bisphenol-F-(epichlorhydrin),
Epoxy resin (average molecular weight \leq 700)
CAS: 9003-36-5 EC: 500-006-8
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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5% - 7% [(tolyloxy)methyl]oxirane
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R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

The waste of non-polymerized material must be considered as "Toxic and Harmful" waste, due to the presence of organic solvents higher than that permitted by European laws.

The empty containers must be considered as Special Waste Materials and disposed of at Type 2B Waste Dumps. If previously cleansed, they can be admitted in first class dumps.

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

Limited quantities, not liable to ADR norms for internal packages up to a capacity of 3 litres and a maximum 12 litre content per pack.

UN number:	3082
Packing Group:	III
Shipping Name:	Environmentally hazardous substance, liquid (Reaction product: bisphenol-F-(epichlorhydrin), Epoxy resin)
Transport category :	9
ADRRID-Class:	9
Classification code :	M6
Label:	9



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IMDG-Class: 9
IMDG-Label: 9
IMDG-EMS: F-A,S-F
Marine pollutant MARPOL (Annex II/III): Yes

15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments.

Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments.

Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent).

Commission Directive 2000/39/EC (Occupational exposure limit values).

Regulation (EC) No 1907/2006 (REACH).

Symbols:

Xn Harmful

N Dangerous for the environment

R Phrases:

R68 Possible risk of irreversible effects.

R36/38 Irritating to eyes and skin.

R43 May cause sensitization by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrases:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S60 This material and its container must be disposed of as hazardous waste.

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

S36/37 Wear suitable protective clothing and gloves.

Contains:

Cont. [(tolyloxy)methyl]oxirane, Reaction products: bisphenol-A/-F-epichlorhydrin

Special Provisions:

Contains epoxy constituents. See information supplied by the manufacturer.

Volatile Organic compounds - VOCs = 0 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

1999/13/EC (VOC directive)

16. OTHER INFORMATION

Text of R phrases referred to under heading 3:

R36/38 Irritating to eyes and skin.

R38 Irritating to skin.

R43 May cause sensitization by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R68 Possible risk of irreversible effects.



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Paragraphs modified from the previous revision:

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY
2. HAZARDS IDENTIFICATION
3. COMPOSITION/INFORMATION ON INGREDIENTS
8. EXPOSURE CONTROLS / PERSONAL PROTECTION
9. PHYSICAL AND CHEMICAL PROPERTIES
11. TOXICOLOGICAL INFORMATION
12. ECOLOGICAL INFORMATION
14. TRANSPORT INFORMATION
15. REGULATORY INFORMATION
16. OTHER INFORMATION

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold
ACGIH - Threshold Limit Values - 2004 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

