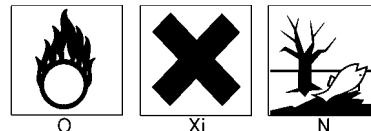


Safety Data Sheet

Catalyzer for Mastice 2000



Safety Data Sheet dated 29/8/2002, version 2

1. IDENTIFICATION OF THE PRODUCT AND OF THE PRODUCER

Trade name: Catalyzer for Mastice 2000
Trade code: 0CAT-EN
Product type and use: Activator for polyester mastic.
Seller:

Bellinzoni s.r.l. - Via Don Gnocchi, 4 20016 Pero (MI)
Tel. +390233912133 Fax +390233915224

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

E.U.: Centro Antiveleni - Ospedale di Niguarda - Milano - Tel. +39 0266101029

U.S.A.: Chemtech +1.800.424.9300

International: +1.703.527.3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

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

40% - 50% dibenzoyl peroxide

N.67/548/CEE: 617-008-00-0 CAS: 94-36-0 EINECS: 202-327-6

E Explosive

Xi Irritant

R2 Risk of explosion by shock, friction, fire or other sources of ignition.

R36 Irritating to eyes.

R43 May cause sensitization by skin contact.

20% - 25% Diisobutyl phtalate

CAS: 84-69-5 EINECS: 201-553-2

N Dangerous for the environment

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

1% - 3% Alchil fenolo etossilato

CAS: 9016-45-9

Xn Harmful

R36/38 Irritating to eyes and skin.

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

3. HAZARDS IDENTIFICATION

The product has oxidising properties and on contact with combustible materials it may ignite them. If brought into contact with the eyes, the product causes considerable irritation which can last for over 24 hours.

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

This product is a threat to the environment; it is toxic for aquatic organisms following acute exposure.

In the long term this product may have negative effects on the aquatic environment, because it is not easily biodegradable and/or is bioaccumulable.

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:

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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.

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.

5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

Water, CO₂, Foam, Chemical powders, according to the materials involved in the fire. CO₂ or Dry chemical fire extinguisher.

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.

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

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.

Incompatible materials:

Keep away from combustible materials and all easily oxidizable substances.

Storage conditions:

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Always keep the containers tightly closed.

Instructions as regards storage premises:

Cool and adequately ventilated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:

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

Respiratory protection:

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Not needed for normal use.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

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):

dibenzoyl peroxide

TLV TWA: 5 mg/m³, A4

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Paste creamy white
Odour:	Odorless
Flash point:	>61°C
Explosive proprieties:	None
Oxidizing proprieties:	Yes
Relative density:	1,25
Solubility in water:	Insoluble
Lipid solubility:	Insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

None in particular.

Hazardous decomposition products:

It may generate flammable gases on contact with nitrides.

It may generate toxic gases on contact with aliphatic and aromatic amines, carbamates, dithiocarbamates, mercaptans and other organic sulphides, nitriles, inorganic sulphides, and combustible and inflammable materials.

It may catch fire on contact with alcohols and glycols, azo, diazo and hydrazines compounds, carbamates, dithiocarbamates, mercaptans and other organic sulphides, nitrides, and combustible and inflammable materials.

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.

The product does not contain toxicologically relevant substances.

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% Diisobuthyl phtalate

CAS: 84-69-5 EINECS: 201-553-2

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

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.

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Product can be burned in small quantities or can be treated with a NaOH solution in order to destroy the peroxide.

14. TRANSPORT INFORMATION

UN number: 3108
Road (ADR): 5.2 8°B
Rail (RID): 5.2 8°B
Air (ICAO/IATA): 5.2 UN 3108
Marine pollutant: No
Sea (IMO): 5.2 pag. 5228 UN 3108

If packaging is less than 500 gr product is declassified and can be packaged and sent together with the other component.

15. REGULATORY INFORMATION

88/379/EEC (Classification and Labelling):

Symbols:

O Oxidising
Xi Irritant
N Dangerous for the environment

R Phrases:

R8 Contact with combustible material may cause fire.
R36 Irritating to eyes.
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:

S3/7 Keep container tightly closed in a cool place.
S15 Keep away from heat.
S17 Keep away from combustible material.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 Wear suitable gloves.
S56 Dispose of this material and its container at hazardous or special waste collection point.

Contents:

dibenzoyl peroxide

Where applicable, refer to the following regulatory provisions :

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

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 - Treshold Limit Values - 1993/94 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.
