



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

Identification of the substance or preparation:

Name: **BIOTANK DURCISSEUR - HARDENER**

Product code: H1270D.

Company/undertaking identification:

Registered company name: MAP YACHTING.

Address : ZI ATHELIA IV – 296 Av de la Tramontane – 13705 LA CIOTAT - France.

Telephone : 33 (0)4 42 98 14 50 Fax :33 (0)4 42 98 14 51. Email : sales@map-yachting.com

Emergency telephone: 01 45 42 59 59.

Association/Organisation: ORFILA.

Use of the substance/preparation:

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)

This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

INDEX	CAS	EC	Name	Symb.	R:	%
612-006-00-6	107-15-3	203-468-6	ETHYLENEDIAMINE	C	10 34 42/43 21/22	0 <= x % < 2.5

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.

Other components:

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.

The preparation causes sensitisation of the skin and respiratory organs. It also irritates the skin and prolonged contact may aggravate this effect.

Other data:

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 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.

Specific and immediate treatment:

Information for the doctor:



5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media:

N/A

Extinguishing media which must not be used for safety reasons:

N/A

Special protective equipment for fire-fighters:

N/A

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

N/A

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 asthma, allergies, chronic or periodic respiratory problems must on no account use these preparations

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

Handling:

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.

Specific use(s):

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Anyone with a history of skin sensitisation, asthma, allergies, chronic or periodic respiratory problems must on no account use these preparations

Technical measures:

Exposure limit values per INRS ND 2098-174-99 and ND 2114-176-99:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
107-15-3	10	25	15	35	-	49,49 Bis



Exposure limit values per 2000/39/EC and 98/24/EC:

Exposure limit values (2003):

UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-15-3	10 ppm	-	-	-	-
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-15-3	10 ppm	-	-	-	-
Germany/MAK	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-15-3	10 ppm	20 ppm	-	-	-

Respiratory protection:

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.

Environmental exposure controls:

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state: viscous 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 specified.
Flash point interval: Flash point: > 61°C
vapour pressure: Below 110 kPa (1.10 bar).
Density: < 1
water solubility: Insoluble.

Other information:

melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range : not specified.

10 - STABILITY AND REACTIVITY

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

Conditions to avoid:

Materials to avoid:

Hazardous decomposition products:

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 in the event of inhalation and exposure to the skin.



In the event of exposure by inhalation:

In the event of swallowing:

In the event of splashes or contact with skin:

In the event of splashes or contact with eyes:

Other data:

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

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

Mobility:

Persistence and degradability:

Bioaccumulative potential:

Ecotoxicity:

Other adverse effects:

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.

Local arrangements:

Codes of wastes (Decision 2001/573/EC, Directive 75/442/EEC, Directive 91/689/EEC on hazardous waste) :

14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

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).

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 2001/59/EC with the 28° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

This product is not classed as flammable.

Preparation classification:

Harmful.

Contains:

612-006-00-6 ETHYLENEDIAMINE

Particular hazards associated with the preparation and safety recommendations:

R 42/43 May cause sensitization by inhalation and skin contact.

R 36/38 Irritating to eyes and skin.

S 23 Do not breathe vapour.

S 24 Avoid contact with skin.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 38 In case of insufficient ventilation, wear suitable respiratory equipment.



- S 60 This material and its container must be disposed of as hazardous waste.
S 51 Use only in well ventilated areas.

Particular provisions:

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 10 Flammable.
R 21/22 Harmful in contact with skin and if swallowed.
R 34 Causes burns.
R 42/43 May cause sensitization by inhalation and skin contact.