



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

Identification of the substance or preparation:

Name: **UNDECOAT EP 213 HB BASE.**

Product code: H1653 B.

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](mailto: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:	%						
601-022-00-9	1330-20-7		215-535-7		O-XYLENE	Xn	10	38	20/21	10 <= x % < 25		
601-023-00-4	100-41-4	202-849-4			ETHYLBENZENE	Xn F	11	20		0 <= x % < 2.5		
601-043-00-3	95-63-6	202-436-9			1,2,4-TRIMETHYLBENZENE	Xn N	10	36/37/38	51/53	20	0 <= x % < 2.5	
M 00171B	25068-38-6				RESINE EPOXYDE (POIDS MOLECULAIRE MOYEN EN NOMBRE 700-1100)	Xi N					36/38	43
51/53	10 <= x % < 25											

Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R:	%						
601-024-00-X	98-82-8	202-704-5			CUMENE	Xn N	10	37	51/53	65	0 <= x % < 2.5	
601-025-00-5	108-67-8	203-604-4			MESITYLENE	Xi N	10	37	51/53		0 <= x % < 2.5	
603-004-00-6	71-36-3	200-751-6			N-BUTANOL	Xn	10	37/38	41	67	22	2.5 <= x % < 10

Other substances with occupational exposure limits:

No known substance in this category present.

Other components:

## 3 - IDENTIFICATION OF HAZARDS

This product is classed: Flammable.

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.

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

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

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:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

Do not give the patient anything orally.



**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:**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.  
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.  
Keep still. DO NOT induce vomiting.  
Call a doctor immediately and show him the label.

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## 5 - FIRE-FIGHTING MEASURES

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

**Suitable extinguishing media:**

Carbon dioxide, chemical powders, foams, and other extinguishing gases.  
In the event of fire, use specifically suitable extinguishing agents. Never use water.

**Extinguishing media which must not be used for safety reasons:**

Water is not generally recommended since it can be ineffective; however, it can be used successfully to cool containers exposed to the fire and to disperse fumes.  
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.  
Do not breathe in smoke.  
Prevent the effluent of fire-fighting measures from entering drains or waterways.

**Special protective equipment for fire-fighters:**

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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## 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Eliminate any possible source of ignition and ventilate the premises.  
On account of the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the premises.  
Avoid inhaling the vapors.  
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.

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## 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:**

Handle in well-ventilated areas.  
The vapors are denser than air. They can spread along the ground and form explosive mixtures with air  
Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

**Fire prevention:**

Prevent the accumulation of electrostatic charges with connections to earth



The preparation may become electrostatically charged; always place on the ground during transfer. Wear antistatic shoes and clothes and make floors of conductive materials.

Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

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 inhaling solvent vapors and spray-gun aerosols

Packages which have been opened must be reclosed carefully and stored in an upright position

Avoid inhaling vapors.

Where the personnel must carry out work in a booth, whether for spraying or otherwise, the ventilation may be inadequate to control particles and solvent vapors in every case.

It is therefore recommended that personnel wear masks with a compressed air supply during spraying operations until the concentration of particles and solvent vapors has fallen below the exposure limits.

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.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

**8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

**Technical measures:**

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

**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°:
71-36-3	-	-	50	150	-	84
95-63-6	20	100	-	-	-	84 -
108-67-8	20	100	-	-	-	84 -
98-82-8	20	100	50	250	*	84 -
100-41-4	100	442	200	884	*	84 -
1330-20-7	50	221	100	442	*	4 bis, 84 -

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

EC	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:
95-63-6	20	100	-	-	-
108-67-8	20	100	-	-	-
98-82-8	20	100	50	250	Peau
100-41-4	100	442	200	884	Peau
1330-20-7	50	221	100	442	Peau

**Respiratory protection:**

With this preparation, avoid in particular any inhalation of vapors.

**Hand protection:**

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

Due to the solvents present, it is recommended that polyvinyl alcohol or nitrile rubber gloves be worn.



**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.

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## 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: 23°C. < Flash point: <= 55°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.

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## 10 - STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide

**Conditions to avoid:**

**Materials to avoid:**

**Hazardous decomposition products:**

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## 11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Exposure to vapors from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as: Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

Splashes in the eyes may cause irritation and reversible damage

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

**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:**

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## 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:

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

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

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).

UN1263=PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.		
	3	F1	III	3	30	LQ7	163-650-640E		
	Not subject to this regulation if Q < 450l.								
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.			
	3	-	III	5 L	F-E,S-E	163 223 944 955			
	Not subject to this regulation if Q < 30l								
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	
	3	-	III	309	60 L	310	220 L	A3 A72	
	3	-	III	Y309	10 L	-	-	-	

### 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.

Preparation classification:

Harmful. Flammable.

Contains:

601-022-00-9 O-XYLENE  
601-023-00-4 ETHYLBENZENE  
601-043-00-3 1,2,4-TRIMETHYLBENZENE  
M 00171B RESINE EPOXYDE (POIDS MOLECULAIRE MOYEN EN NOMBRE 700-1100)

Particular hazards associated with the preparation and safety recommendations:

R 52/53 Harmful 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.  
R 20 Harmful by inhalation.



R 10	Flammable.
S 23	Do not breathe vapour.
S 24	Avoid contact with skin.
S 37	Wear suitable gloves.
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 9	Keep container in a well-ventilated place.

Particular provisions:

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## 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 11	Highly flammable.
R 20	Harmful by inhalation.
R 20/21	Harmful by inhalation and in contact with skin.
R 22	Harmful if swallowed.
R 36/37/38	Irritating to eyes, respiratory system and skin.
R 36/38	Irritating to eyes and skin.
R 37	Irritating to respiratory system.
R 37/38	Irritating to respiratory system and skin.
R 38	Irritating to skin.
R 41	Risk of serious damage to eyes.
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.
R 65	Harmful. may cause lung damage if swallowed.
R 67	Vapours may cause drowsiness and dizziness.