

SURFACE DISINFECTANT**1 - IDENTIFICATION OF THE SUBSTANCE :**

NAME **SURFACE DISINFECTANT**

USE Disinfectant for the treatment of pool surroundings and accessories.

MANUFACTURER **MAREVA PISCINES ET FILTRATIONS**
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Emergency dial number +33 (0)4.91.75.25.25 (Poison control center of MARSEILLES)

2 - HAZARDS IDENTIFICATION :

CONTACT WITH EYES risk of serious eye lesions (before dilution)

CONTACT WITH SKIN the product may be irritant to skin in case of long contact.
SYMPTOMS : red blotches with irritation of the contaminated areas

INHALATION only if the product is sprayed, it causes cough.
It leaves a bitter taste in mouth

PHYS-CHEMICAL DANGER No spontaneous reaction may cause a violent reaction.

HAZARDS FOR THE ENVIRONMENT
Toxic for the aquatic organisms, may cause long term adverse effects in the environment.

3 - COMPOSITION / INFORMATION ON COMPONENTS:Substances used in this preparation:

1) <3% didecylmethylammonium chloride at about 70%
CAS N° 7173-51-5 EC N° 230-525-2
Classification: C, R10, R22, R34, R67

2) 40% POLYHEXAMETHYLENE BIGUANIDE: PHMB at 20%
CAS N° 91403-50-8 Classification: Xi, R36/37/38-41
Classification : Xi , N, R36/37/38 - 41 - 51/53

4 - FIRST AID MEASURES:

CONTACT WITH EYES Rinse immediately with plenty of water for about 15 minutes. Seek medical advice immediately.

CONTACT WITH SKIN Wash immediately with plenty of water. Seek medical advice if irritations persist.

INGESTION If swallowed, do not give to drink, do not induce vomiting, and immediately bring the person to hospital in an ambulance. Show the label to the doctor.
Never give anything to drink or eat to an unconscious victim.

INHALATION Bring the person to fresh air. Rinse throat with edible water.

5 - FIRE FIGHTING MEASURES :

SPECIFIC MEASURES	None, the product is not flammable nor explosive.
EXTINGUISHING MEANS	- authorised: all means.
PROTECTION EQUIPMENT	usual fire fighting equipments. If this product is caught in a fire, no specific equipment is required.

6 - ACCIDENTAL RELEASE MEASURES :

PERSONAL PRECAUTIONS	Keep away from possible splashes.
CLEANING METHOD	Contain and collect leaks with neutral absorbing materials (sand, earth, diatomaceous earth...) in drums for waste disposal (in a specialised treatment center). If possible, rinse contaminated ground with water, suck and collect cleaning waters. Send them to a specialised treatment center. Prevent product from going into sewer, rivers, rain water networks... If the product contaminates ground water, rivers, or sewer, warn competent authorities according to regulatory procedures.
WARNING	The product is a sanitizer: avoid releasing into sewer when treated with bacteriological methods (septic tanks, ...)

7 - HANDLING AND STORAGE :

HANLDING	No particular risk
STORAGE	Maintain at a temperature over 8°C.
STORAGE MATERIALS	<u>recommended</u> : polyethylene, polypropylene, PVC, stainless steels. <u>unadvisable</u> : metallic materials (Cu, Fe, Zn, black steels,...).

8 - EXPOSURE CONTROLS - PERSONAL PROTECTION :

HAND PROTECTION	Wear gloves
EYE PROTECTION	Wear goggles
BODY PROTECTION	Wear suitable work clothes.
RESPIRATORY PROTECTION	: Not necessary, except if handling may generate fog.

9 - PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE	: liquid (aqueous solution)
COLOUR	: colourless or green
ODOUR	: slight organic odour
pH at 20 °C (pure product)	: 4.0 - 5.0
TEMPERATURES	- freezing : < 0°C. - boiling : 102 to 105 °C.
FLASH POINT	: not concerned
DENSITY	: 1010 to 1020 kg/m3
SOLUBILITIES	- soluble in the water in all proportions -Other solvents: aliphatic alcohols, glycol - Partially soluble in hydrocarbons.
OTHER PROPERTIES	- The active materials are oxidable (chlorinated derives, ozone,.....) - Its cationic characteristic makes it totally incompatible with anionic products (creation of a precipitate).

10 - STABILITY AND REACTIVITY :

STABILITY The product is stable between + 8 and + 75°C.

REACTIVITY No spontaneous reaction nor incompatibility may generate a violent reaction.

11 - TOXICOLOGICAL INFORMATION :

ACUTE TOXICITY No data available
Acute oral toxicity of the raw material used (LD50 on rat) = 1200 to 2000 mg/kg.

The product is irritant to eyes and may be irritant to skin, in case of long contact.
Le produit peut provoquer des lésions oculaires graves (avant dilution)

12 - ECOLOGICAL INFORMATION:

ECOTOXICITY No data available at the present day.

Avoid any release of the product in sewer or rivers.

This preparation is disinfectant and algaecide

13 - DISPOSAL INFORMATION :

The product can be neutralized by oxidation, with powerful oxidisers such as :
chlorinated or brominated derives, ozone

Warning : do not try to destroy the product with bacteriological methods because it is a powerful sanitiser.

Do not release in sewer or rivers

WASTE Recycle or dispose of according to regulations in force. Do not contaminate the
ground or water with waste, do not dispose of in the environment.

CONTAMINATED PACKAG. Dispose of according to regulations in force

14 - TRANSPORT INFORMATION :

UN N° : 3082 HAZARDOUS FOR THE ENVIRONMENT, LIQUID, NOS (PolyHexaMethylene Biguanide)

ROAD TRANSPORT Class = 9 - Packaging group = III - Danger label = 9 -
SEA TRANSPORT Danger code n° = 90

This product may, in some cases, be exempted (packaging in **Limited Quantities 5L (LQ7)**)

15 - REGULATORY INFORMATION: (conform to the orders of 20 april 1994 and/or 21 february 1990 and adaptations, dealing with classification and labelling of hazardous substances and preparations)

Danger symbol

Xi - Irritant and **N**- Hazardous for the environment



Xi - Irritant



N - Dangereux pour l'environnement

R phrases

- 36/37/38 - Irritating to eyes, respiratory system and skin.
41 - Risk of serious eye lesion
51 / 53 - Toxic to aquatic organisms, may cause long terms adverse effects on the environment

S phrases

- 2 - Keep out of reach of children
24 / 25 - Avoid contact with skin and eyes
26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
29 - Do not empty into drain
46 - If swallowed, seek medical advice immediately and show this container or label

16 - ADDITIONAL INFORMATION :

Indications on the classification of the substances used in the formulation:

R21/22: harmful by contact with skin and if swallowed

R34: causes burns

R50: very toxic to aquatic organisms

Additional information

The information contained in this safety data sheet are based on our knowledge and mail legal and regulatory texts related to the product, and promulgated at the date of updating of this document.

This safety data sheet was written and must be used only for this product.

See instructions for use on labels or seek information from your professional retailer.

Combined nomenclature (INTRASTAT) for customs statistics

= 380894100