

REVABLUE**1 - IDENTIFICATION OF THE SUBSTANCE :**

NAME **REVABLUE**

USE Algaecide product for swimming pool water treatment.

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2 - HAZARDS IDENTIFICATION :

MAINS HAZARDS FOR HUMAN BEINGS : Harmful if swallowed.
If splashed in the eyes, risk of eye irritations.

HAZARDOUS FOR THE ENVIRONMENT.

3 - COMPOSITION / INFORMATION ON COMPONENTS:

ACTIVE SUBSTANCES Algaecide + sequestering agents of calcium, magnesium and metals

Classification of the substances used in the preparation

A) 55 to 60 % of POLYMERISED QUATERNARY AMMONIUM at 60%
CAS N° 25988-97-0 *Classification: Xn, N, R22, R36, R50/53*

B) <4% of PHOSPHONIC ACID at 50%
CAS N° 6419-19-8 *Xi, R36*

4 - FIRST AID MEASURES:

INGESTION If swallowed, do not give to drink, do not induce vomiting, but immediately bring the victim to hospital in an ambulance. Show the label to the doctor.

Never give anything to swallow to an unconscious person.

EYE CONTACT Rinse immediately with plenty of water for 15 minutes while maintaining eyes open. Seek medical advice immediately.

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

INHALATION Bring the victim to fresh air. Seek medical advice if symptoms persist.

5 - FIRE FIGHTING MEASURES :

SPECIFIC DANGERS None, the product is not flammable nor explosive.
EXTINGUISHING MEANS All fire fighting means are authorised.
PROTECTION EQUIPMENTS Usual fire fighting equipments, no specific equipment required.

6 - ACCIDENTAL RELEASE MEASURES :

PERSONAL PROTECTION Stay away from possible splashes

CLEANING METHOD Contain and pick up leaks with neutral absorbing materials (sand, earth, diatomaceous earth...) in drums for waste elimination (specialised treatment centre).
If possible, rinse contaminated ground with water, suck and collect cleaning waters. Send them to a specialised treatment centre.
Prevent product from going into sewer, rivers, rain water nets ...

 If product contaminates ground water, rivers or sewer, warn proper authorities according to regulatory procedures.

7 - HANDLING AND STORAGE :

HANDLING Avoid causing fog, avoid contact with skin and eyes.
Wash hands after use. Do not drink, eat or smoke during use.

STORAGE In original, well closed container.

8 - EXPOSURE CONTROLS - PERSONAL PROTECTION :

Occasional handling of product: gloves and goggles recommended.

Repeated or continued handling of product: working clothes to cover body and limbs, and use gloves and goggles.

9 - PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE : liquid
COLOUR : blue
ODOUR : slight organic smell
pH (pure product) : 3,00 - 6,00
BOILING TEMPERATURE : 102 to 105 °c (215.6 to 221 F)
FLASH POINT : -
DENSITY : 1,05 to 1,15

SOLUBILITY

- in the water soluble in all proportions
- other solvents aliphatic alcohols (especially with short carbonated chain) as well as glycol.
- Not soluble in hydrocarbons and other organic products.

10 - STABILITY AND REACTIVITY :

STABILITY The product is stable between +10 and +75 °C. Avoid frost.
REACTIVITY Warning: acid product, may react violently in contact with bases (liberation of heat).

11 - TOXICOLOGICAL INFORMATION :

Harmful if swallowed and irritating to eyes (before dilution)

12 - ECOLOGICAL INFORMATION:

Very toxic to aquatic organisms. May cause long term negative effects.
Do not release pure product in the environment (sewer, rivers, ...).

13 - DISPOSAL INFORMATION :

This product is acid (pH=ca. 3,00 - 6,00).

WASTE Recycle or eliminate according to regulations in force. Do not contaminate ground or water with waste. Do not dispose of them in the environment.
CONTAMINATED PACK. Rinse packaging several times with water before disposal.
Dispose of according to regulations in force.

14 - TRANSPORT INFORMATION :

UN N° : 3082 hazardous for the environment, liquid, nos (cationic polymer)

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

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

15 - REGULATORY INFORMATION: (conform to EC regulation °1272/2008 (GHS))

Classification and labelling Chronical hazard for the aquatic environment cat1
Chronical hazard for the aquatic environment cat1



WARNING

Danger phrases H410 Very toxic to aquatic life with long lasting effects

Caution advice - Prevention
P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children.
P103 Read label before use.
P273 Avoid release to the environment.

Caution advice - Response
P391 Raccogliere il materiale fuoriuscito

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)

"Contains a cationic polymer"

Hazard symbol

Xn - Harmful + **N** - Hazardous for the environment.



Xn - Nocif



N - Dangereux pour l'environnement

R phrases

- 22 - Harmful if swallowed
- 36 - Irritating to eyes
- 50 / 53 - Very toxic to aquatic organisms, may cause long-term adverse effects on the environment.

S phrases

- 2 - Keep out of reach of children
- 13 - Keep away from food, drink and animal feedingstuffs.
- 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 drains.
- 46 - If swallowed, seek medical advice immediately and show him the container or label.

16 - ADDITIONAL INFORMATION :Indications on the classification of the components used in the formulation

R22: Harmful if swallowed

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

Other 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