

CALC OUT**1 - IDENTIFICATION OF THE SUBSTANCE :**

NAME **CALC OUT**

USE Product for decarbonation (TH decrease) in pool water.

MANUFACTURER **MAREVA PISCINES ET FILTRATIONS**
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2 - HAZARDS IDENTIFICATION :

CALC OUT is harmful in case of contact with skin, and if swallowed (before dissolution)
irritation of skin, eyes and respiratory system.
If swallowed: irritation of mouth and digestive tract, and may cause serious lesions of kidneys.

3 - COMPOSITION / INFORMATION ON COMPONENTS:

Disodium salt of ethanedioic acid (80% in weight).
CAS N° = 62-76-0 INDEX N° = 607-007-0-3 EC N° = 200-550-3
Xn, R21/22

4 - FIRST AID MEASURES:

CONTACT WITH EYES Rinse immediately with plenty of water
Seek medical advice if an irritation persists or develops.

CONTACT WITH SKIN Immediately wash contaminated areas with plenty of water.

INGESTION Rinse mouth and very quickly give 2 to 3 glasses of water to drink.
Seek medical advice.

INHALATION Bring victim to a well aerated place.
If you feel unwell or sick, seek medical advice.

5 - FIRE FIGHTING MEASURES :

GENERAL STATEMENT The product is not combustible.

SPECIFIC DANGERS Release of CO2 at temperatures over 260 °C

EXTINGUISHING MEANS All fire fighting means are authorized

6 - ACCIDENTAL RELEASE MEASURES :

CLEANING METHOD Pick up mechanically (and collect in dry and properly labelled drums)
Rinse contaminated area with water.

PRECAUTION Avoid releasing product in rainwater networks, in sewer or in rivers.

7 - HANDLING AND STORAGE :

HANDLING To handle large quantities of product, wear:
work clothes, gloves, goggles.

STORAGE In original, well closed container.
Avoid contact with iron or aluminium.

8 - EXPOSURE CONTROLS - PERSONAL PROTECTION :

Occasional handling of product: gloves and goggles recommended.

Repeated or continued handling of product: work clothes to covers body and limbs, and wear suitable gloves and goggles.

Use a respiratory protection system if product handling produces dust.

9 - PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE : wet white solid product containing lumps.
ODOUR : slight organic smell
pH at 25 °C (1 % solution) : 8.25
FUSION POINT : 250-260 °C (decomposition of product into water and CO₂).
FLAMMABILITY : -
EXPLOSIVITY : -
VOLUMIC MASS : 2340 kg/m³ (density of pure product)
APPARENT DENSITY : 0.8 to 0.95

SOLUBILITY IN THE WATER : ca. 2.7 g / 100 ml at 0 °C
: ca. 3.7 g / 100 ml at 20 °C
: ca. 6.4 g / 100 ml at 100 °C

OTHERS : insoluble in ether, ethanol,...

10 - STABILITY AND REACTIVITY :

STABILITY Release of CO₂ at temperatures over 250-260 °C.

REACTIVITY The product is very avid for calcium (ionic reaction without any risk,
with formation of calcium oxalate).
Reacts with oxidizers with release of CO₂.

11 - TOXICOLOGICAL INFORMATION :

Acute oral toxicity.
LD 50 (on mouse, oral) = 5094mg/kg
LD 50 (on rat, oral) = 11160 mg/kg

12 - ECOLOGICAL INFORMATION:

Do not release on grounds, in natural waters (rivers, ...) nor in sewer.

13 - DISPOSAL INFORMATION :

Dispose of product according to regulations in force (release in rubbish dump authorized under some conditions)

14 - TRANSPORT INFORMATION :

The product is not subject to regulation on hazardous materials transport

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

Acute toxicity (oral) cat4
Acute toxicity (skin) cat4



WARNING

Danger phrases

H302 Harmful if swallowed
H312 Harmful in contact with skin

Safety advice - Prevention

P102 Keep out of reach of children
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection

Safety advice - Response

P301/312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302+P352 IF ON SKIN: Wash with plenty of soap and water

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)

"Salt of the oxalic acid"

"EC Labelling 220-550-3"

Danger symbol

Xn - harmful



Xn - Nocif

R phrases

21/22 - Harmful in contact with skin and if swallowed

S phrases

2 - Keep out of reach of children
13 - Keep away from food, drink, and animal feedingstuff.
24/25 - Avoid contact with skin and eyes
28 - After contact with skin, wash immediately with plenty of water.
36/37 - Wear suitable protective clothing and gloves
46 - If swallowed, seek medical advice immediately and show this container or label.

16 - 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

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