

5 - MESURES DE LUTTE CONTRE L' INCENDIE :

MOYENS D' EXTINCTION Use plenty of cold water on fire sources after isolating them.

WARNING: especially, do not use a powder extinguisher containing ammonium compounds.

EQUIPEMENT Protective clothing (with total face protection).
Self-contained breathing system.

6 - ACCIDENTAL RELEASE MEASURES :

CLEANING METHOD Pick up mechanically all blocks, tablets and induced dust.
Store pieces separately from induced dust in waterproof drums.
Label these drums and send them back to supplier.
Clean contaminated area with plenty of water.

The product is hardly soluble in water.
If cleaning waters are collected, they may be neutralized by a reducer (such as sodium thiosulphate) while checking pH and temperature.

PERSONAL PROTECTION Gloves, mask, goggles.

7 - HANDLING AND STORAGE :

Pay much attention to conditions of humidity, sun exposure and temperature.

Keep away from flammable liquids, combustibles, and any other oxidable material.

8 - EXPOSURE CONTROLS - PERSONAL PROTECTION :

EXPOSURE CONTROL If necessary, use a respiratory protection system against dusts or fumes.

PERSONAL PROTECTION Roofs must be equipped with efficient ventilation systems.
gloves, goggles, working clothes with long sleeves.
Safety showers and eyewash next to working places.

9 - PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE : 20g tablets with blue spots
ODOUR : chlorine
pH at 25 °C (1 % in the water) : 2.8
FUSION POINT : 225 °C
DECOMPOSITION : 225 °C
FLASH POINT : not concerned
FLAMMABILITY : not concerned
EXPLOSIVITY : not concerned
DENSITY : ca. 1040 kg/m³ (apparent density = 1.04)
SOLUBILITY IN THE WATER : 1.28 g / 100 ml of water at 25 °C

10 - STABILITY AND REACTIVITY :

Stable in normal humidity conditions (high levels of humidity must be avoided).

INCOMPATIBILITIES

The product is chemically incompatible with the following compounds :

- acids (chlorine gas release).
- **calcium hypochlorite (risk of explosion)**
- organic materials or easily chlorinated or oxidized materials (risk of fire)
- ammonia, ammonium salts, urea and all similar compounds which contain nitrogen (risk of nitrogen trichloride formation, very explosive)
- oils or greases (risk of decomposition with release of CO₂ or chlorine)
- alkaline materials, such as Na₂CO₃, in case of humidity (risk of violent decomposition and fire)
- ether, biurea, and solvents such as toluene, xylenes, ...

Product with dangerous decomposition: nitrogen trichloride, chlorine, hydrocyanic acid.

11 - TOXICOLOGICAL INFORMATION :**ACUTE ORAL TOXICITY**

LD 50 on male rat = 1.060 mg / kg

LD 50 on female rat = 1.010 mg / kg

No sign of subacute toxicity on tests

(oral on rat for 1 month, from 10 to 400 mg / kg)

12 - ECOLOGICAL INFORMATION:**Aquatic toxicity**

1.5 (48 hours - TLM 5 ppm - oryzias latipes))

Dangerous for the environment: very toxic to aquatic organisms; may have long term adverse effects on the aquatic environment.

13 - DISPOSAL INFORMATION :

Dissolve while shaking product to be disposed of in an alkaline solution (NaOH or lime),

Neutralize this solution with a reducing agent (Na₂SO₃),

Adjust pH with an acid (H₂SO₄ or HCl),

Dispose of product according to regulations in force

Do not release pure product in the environment (sewer or rivers).

14 - TRANSPORT INFORMATION :

N° ONU : 1479 : OXIDIZING SOLID N.O.S. (trichloroisocyanuric acid dry)

ROAD TRANSPORT

Class = 5.1 - Packaging group = II

Danger label = 5.1 - Danger code n° = 50

SEA TRANSPORT

UN : 1479 - Class 5.1 - PG II - Safety data sheet n° = 5.1 - 11

AIRWAY TRANSPORT

Class = 5.1 - Label = oxidizer - Packaging group = II

This product may, in some cases, be exempted (packaging in **Limited Quantities LQ11=500g**)

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

Classification and labelling Acute toxicity (oral) cat4
 Serious eye lesion / eye irritation cat2
 Specific toxicity for some target organs -
 Single exposure, cat3: irritation of the respiratory system
 Chronical danger for the aquatic environment cat1



WARNING

Danger phrases

H302 Harmful if swallowed
 H319 Causes serious eye irritation
 H335 May cause respiratory irritation
 H410 Very toxic to aquatic life with long lasting effects
 EUH031 Contact with acids liberates toxic gas

Caution advice - Prevention

P102 Keep out of reach of children
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray
 P264 Wash hands thoroughly after handling
 P271 Use only outdoors or in a well-ventilated area
 P273 Avoid release to the environment
 P280 Wear protective gloves/protective clothing/eye protection/face protection

Caution advice - Response

P301/312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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)

Warning! do not use in combination with other products, dangerous gas (chlorine) may be released
 "Contains trichloroisocyanuric acid and sodium dichloro isocyanurate"

Danger symbols

Xn - Harmful and N - Dangerous for the environment



Xn - Nocif



N - Dangereux pour l'environnement

R phrases

22 - Harmful if swallowed
 31 - Contact with acids liberates toxic gas
 36 / 37 - Irritating to eyes and respiratory system
 50 / 53 - Very toxic to aquatic organisms, may cause long-term adverse effects on the aquatic environment.

Phrases S

2 - Keep out of reach of children
 3 - Keep in a cool place
 8 - Keep container dry
 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

R8 : Contact with combustible material may cause fire

RECOMMENDATIONS

Keep an emergency aid plan ready.
Keep product away from incompatible materials.
Store in a cool, dry and well ventilated place.
Always store on pallets or shelves.
Clean equipments properly before changing product.
Empty hoppers at the end of each working day.
Wear suitable working clothes or equipments.
Keep lids clean and near drums in case of emergency.
Keep workshop management informed.
Keep product sweepings dry before neutralising them.

RESTRICTIONS

Store liquid products above this solid.
Do not leave organic materials (greases) accumulate on the ground.
Do not smoke in a premises used for storage or processing of chlorinated products
Do not use common air suction system for incompatible products
Do not use gasoil or gasoline forklifts.
Do not use household products for workshop grounds cleaning.
Do not use original containers to collect sweepings.
Do not leave product to be wet.
Do not dispose of product in a common waste container.
Do not allow release of non neutralised product in sewer.
Do not use a powder extinguisher in case of fire.

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 = **3808942090**