



ENVASADOS DEL PIRINEO



C/ Binueste s/n - 22600 SABIÑÁNIGO - HUESCA - Tlf: 974 483 019 - Fax: 974 483 266 - info@envasadospirineo.com  
Inscrita en el Registro Mercantil de Huesca, tomo 451, libro 278, folio 1, hoja HU-5902 1ª C.I.F. B22244701

# SAFETY DATA SHEET

## BROMINE TABLETS

Date	Edition	Ref:
01/12/2010	00	FS21-EP

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

IDENTIFICATION OF THE SUBSTANCE	
CHEMICAL NAME:	Brominechlorine-5,5-dimetilimidazolidina-2,4-diona
CAS Nº	32718-18-6
USES OF THE SUBSTANCE	Disinfectant for water of swimming
COMPANY IDENTIFICATION	Envasados del Pirineo S.L. C/Binueste s/n 22600 Sabiñánigo –Huesca- España Tfno: +34 974 483 019 - Fax: +34 974 483 019 Email: info@envasadospirineo.com
EMERGENCY TELEPHONE	Tel: +34 915 620 420

### 2.- HAZARDS IDENTIFICATION

Classification of the substance or the Mixture
<p><b>Regulation N 1272/2008</b> Acute toxicity, Category 4, Oral H302 Harmful if swallowed. Corrosion Skin Category 1C H314 Causes severe skin burns and eye damage. Skin sensitization, Category 1 H317 May cause an allergic skin reaction. Acute aquatic toxicity, Category 1 H400 Very toxic to aquatic life</p> <p><b>67/548/CEE / 1999/45/CE</b> Harmful if swallowed. Contact with acids liberates toxic gas. Causes burns. May cause sensitization by skin contact. Very toxic to aquatic organisms.</p> <p><b>Labelling according to EC Directives</b></p> <p><b>Regulation (CE) Nº 1272/2008</b></p>

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**DANGER**

### Indications of danger

H302 Harmful if swallowed  
H314 Causes severe skin burns and eye damage  
H400 Very toxic to aquatic life  
H317 May cause an allergic skin reaction  
EUH031: Contact with acids liberates toxic gas.

### Safety Advices

P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor/physician.

### 67/548/CEE / 1999/45/CE



### R Statements

R22: Harmful if swallowed.  
R31: Contact with acids liberates toxic gas.  
R34: Causes burns.  
R43: May cause sensitization by skin contact.  
R50: Very toxic to aquatic organisms.

### S statements

S8: Keep container dry  
S14: Keep away from flammable materials

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## BROMINE TABLETS

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S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
 S28: After contact with skin, wash immediately with plenty of soap and water  
 S36/37/39: Wear suitable protective clothing, gloves and eye/face protection  
 S41: In case of fire and/or explosion do not breathe fumes  
 S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)  
 S60: This material and its container must be disposed of as hazardous waste  
 S61: Avoid release to the environment. Refer to special instructions/safety data sheet

### HAZARDS TO ENVIRONMENT:

Very toxic to aquatic organisms

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Nº	% w/w	Hazard Classification	Risk Phrases
Bromocloro-5,5-dimetilimidazolidina-2,4-diona	32718-18-6	Min. 98%	Tox. acute.; 4; H302 Corr. skin.; 1C; H314 Sens. Skin.; 1; H317 Aquatic Acute; 1; H400	R 8 –R 22 – R 31 R 35 – R 43- R50

### 4. FIRST AID MEASURES

#### Toxicological Information Service

Telephone: +34 915 620 420

#### SKIN CONTACT

Wash affected area with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Going to medical services.

#### EYE CONTACT

Wash with plenty of water, including under the eyelids and seek immediate medical attention.

#### INGESTION

Call a doctor immediately. Rinse mouth with water and then drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person

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### 5. FIRE-FIGHTING MEASURES

#### SUITABLE EXTINGUISHING MEDIA:

Dry powder, foam, water

#### EXTINGUISHING MEDIA WHICH MUST NOT BE USED

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#### SPECIAL EXPOSURE HAZARDS ARISING FROM THE SUBSTANCE, COMBUSTION PRODUCTS

Heating or fire can release toxic gases

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

In case of fire, wear self contained breathing equipment

### 6. ACCIDENTAL RELEASES MEASURES

#### PERSONAL PRECAUTIONS:

use breathing equipment and dust protective suit

#### ENVIRONMENT PRECAUTIONS:

Prevent product from entering sewers or waterways. If the product arrives at a natural flow of water, warning civil protection authorities.

#### METHODS FOR CLEANING UP

Up or vacuum up spillage and collect in a suitable container for disposal

### 7. HANDLING AND STORAGE

#### HANDLING:

Provide sufficient air exchange and / or extraction in the workplace. Avoid contact with eyes and skin. Avoid formation of respirable particles.

Keep away from combustible material. Avoid dust formation. Avoid static discharges

#### STORAGE:

Keep container tightly closed. To maintain product quality, do not store heat or direct sunlight. Keep in a dry, cool and well ventilated.

Keep away from combustible material.

Incompatible with oxidizing agents.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE CONTROLS:

**Respiratory Protection:** Dust mask

**Hand Protection:** Gloves for chemical hazards

**Eye Protection:** Glasses for chemical hazards

**Skin Protection:** Appropriate clothing for body protection

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### GENERAL INFORMATION

<b>Appearance:</b>	Solid
<b>Odour:</b>	No odour
<b>Melting Point</b>	156-162°C
<b>Relative Density (Kg/Lt)</b>	1,87 (23°C)
<b>Water solubility (25°C)</b>	Is hydrolized

### 10. STABILITY AND REACTIVITY

#### CONDITIONS TO AVOID

No datas

#### MATERIALS TO AVOID :

Bases, strong acids and oxidizing agents

#### HAZARDOUS DECOMPOSITION PRODUCTS

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### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

Toxicity LD50 oral (rat): 485 mg/Kg

Inhalation toxicity LC50 rat 2 hours: 2,3 mg/Lt

Acute Dermic Toxicity (rabit): > 2000 mg/Kg

Skin Irritation (rabit): Corrosive

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Eyes Irritation (rabit): Corrosive

### 12. ECOLOGICAL INFORMATION

Toxicity for fishes (CL-50): 0,65 mg/Lt (Oncorhynchus mykiss)  
 Acute toxicity:  
 Time of exposure: 96H  
 Method: US-EPA  
 Toxicity for Daphnia Magna (CE50): 0,87 mg/Lt  
 Time of exposure: 48H  
 Toxicity for Algae (CE50r): 2 mg/Lt (Scenedesmus subspicatus)

### 13. DISPOSAL CONSIDERATIONS:

#### Disposal of the product, contaminated packaging and waste

The product and packaging must be disposed of in accordance with local or national regulations on industrial waste disposal.

### 14. TRANSPORT INFORMATION

#### Road Transport (ADR)

UN Number: 3085  
 Group: III  
 Class 5.1  
 Labels: Oxidazing  
 Substance Nº 5.1, Oxidazing Substance Nº8  
 Nombre Propio del transporte: OXIDAZING SOLID, CORROSIVE, NOS  
 Hazard identification number: 58

#### Air Transport (IATA):

UN Number: 3085  
 Group: III  
 Class 5.1  
 Labels: Oxidazing  
 Substance Nº 5.1, Oxidazing Substance Nº8  
 Nombre Propio del transporte: OXIDAZING SOLID, CORROSIVE, NOS  
 Hazard identification number: 58

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### Maritime transport (IMDG):

UN Number: 3085

Group: III

Class 5.1

Labels: Oxidizing

Substance Nº 5.1, Oxidizing Substance Nº8

Nombre Propio del transporte: OXIDAZING SOLID, CORROSIVE, NOS

EmS: F-AS-Q

## 15. REGULATORY INFORMATION

### Regulations and legislation on safety, health and environment specific for the substance or mixture

The safety data sheet complies with the requirements of Regulation (EC) No 1907/2006

#### National Regulation

Water contaminating class: WGK 2 water

#### Chemical safety assessment

Not required

## 16. OTHER INFORMATION

### Full text of H-Statements referred to in sections 2 and 3.

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H400 Very toxic to aquatic life

H317 May cause an allergic skin reaction

EUH031: Contact with acids liberates toxic gas.

### Full text of R-Statements referred to in sections 2 and 3.

R22: Harmful if swallowed.

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