



MATERIAL SAFETY DATA SHEET

ENVAFRESH DISINFECTANT TABLETS 3,35 gr

Date:	Edition	Reference
03/03/2009	00	FS15-EP

1. PRODUCT AND COMPANY IDENTIFICATION

SUBSTANCE IDENTIFICATION	
CHEMICAL NAME:	Sodium saltz of diclorhineoisocianuric acid dihidrated Excipients
UN NUMBER:	3077
USES OF THE PRODUCT	Disinfection Action
IDENTIFICATION OF THE COMPANY	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. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredient	Nº CAS	Nº EINECS (CE):	Hazard Clasification	RISK PHRASES
Sodium Dichloroisocianurate dihidrated	51580-86-0	Min.80	Xn-N	R: 22-31-36/37-50/53
Adipic Acid	124-04-9	Min.7	Xi	R36

3. HAZARDS IDENTIFICATION

HAZARDS FOR PEOPLE:
Very irritating to eyes, skin and respiratory tract. Harmful if ingested
HAZARDS FOR THE ENVIROMENT:
Toxic to aquatic organisms. Dangerous for the environment
PYSICAL AND CHEMICAL HAZARDS
May react with other products releasing chlorine. Promotes inflammation of the combustibile materials At high temperature decompose releasing toxic gases.

4. FIRST AID MEASURES

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Toxicological Information Service

Phone +34 915 620 420

CONTACT TO SKIN

Wash the affected area with water for at least 15min while removing contaminated clothing and shoes. Ask for medical services in case of skin burns or treat the irritated area.

CONTACT WITH EYES

Wash them with water for at least 15 minutes and obtain immediate medical assistance

INGESTION

If the patient is conscious, clean and wash the lips and mouth with water. Give to drink large quantities of milk or water and seek medical advice. Do not induce vomiting.

5. FIRE AND EXPLOSION DATA

SUITABLE EXTINGUISHING AGENTS:

Water in large quantities. CO2 can be used in cases of small fires.

UNSUITABLE EXTINGUISHING AGENTS:

Ammonium salts powdered and halogenated extinguishing agents.

SPECIAL PROTECTIVE EQUIPMENT FOR STAFF AGAINST FIRE

Use breathing equipment for respiratory protection and other protective clothing and gloves to protect skin.

SPECIAL RISKS OF EXPOSURE TO COMBUSTION PRODUCTS OR GAS PRODUCED

The product is not flammable but can cause fire on contact with combustible materials. Decomposes at high temperatures releasing toxic gases. Extinguish with plenty of water, small amounts can aggravate the situation. If the fire involves only part of the drums or containers, isolate them from the rest, if possible, leading to a ventilated area and letting it consume them.

6. ACCIDENTAL RELEASE MEASURES

PRECAUTIONS RELATING TO PERSONS:

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Do not breathe dust. Avoid contact with eyes, skin and respiratory tracts. Use appropriate protective equipment (See Section No 8).

PRECAUTIONS RELATING TO ENVIROMENT:

Prevent the product comes into surface waters. If the product arrives at a natural water channel, warning the civil protection authorities.

CLEANING METHOD:

Sweep up and remove entirely the product. If product has not been contaminated, should be separated from the rest and be included in the original drum or other container completely clean including plastic bag inside. This product can be used normally. The dirt product collected from the floor must be closed at the original drum or other container and completely clean plastic bag inside. This product must be destroyed by expert personnel using appropriate protective clothing.

7. HANDLING AND STORAGES

HANDLING:

Do not create dust. If the amount is large enough to handle, provide a ventilation system or removing gases or dust. Keep away from other chemicals products . Do not eat, drink or smoke during handling.

STORAGE:

Keep the product in original containers (do not use metal containers or wood), covered and in a cool, dry, ventilated area away from heat sources and other chemicals products . If is stored with other products, be careful to partitioning, making this product compartment near the door and without obstacles to remove the outside quickly.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS VALUES:

TLV TWA: 1,5 mg/m³ = 0,5 PPM (for clorhine in gas form)

EXPOSURE CONTROL:

Respiratory Protection: Mask equipped with appropriate filter.

Eye protection: Safety glasses to protect eyes completely

Hand protection: Wear gloves for example polyethylene

Skin Protection: Clothing suitable for the protection of the body

9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMACIÓN GENERAL

Aspect:	White tablets
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Odour:	Light at clorhine
pH (% solution):	6.0-7.0
Boiling Point	At 60 ° C begins to lose water . Melts from 240 ° C to ahead because of decomposition.
Flash point	Mpore than 150°C (ASTM D-92)
Explosion risks	It might only explote if it reacts with other chemical products(acids, alkalis, nitrogen compounds, fats, oils ...)
Comburent products:	Although is not combustible, can support combustion.
Density	900-1000 Kg/m ³
Solubility in water at 25°C	290 gr per liter of water

10. STABILITY AND REACTIVITY DATA

CONDITIONS TO AVOID

Humidity and temperatures above 40 ° C.

MATERIALS TO AVOID:

Attacks metals in general. Contact with water (in small quantities likely to wet the product, but is needed in large quantities in the fight against-fire), oxidizing and reducing agents, acids, alkalis, nitrogen, ammonium salts, urea, amines, derivatives of ammonium Quaternary, oils, fats, peroxides, cationic surfactants, etc..

WARNING: DO NOT USE WITH OTHER PRODUCTS. May release dangerous gases (chlorine)

HAZARDOUS DECOMPOSITION PRODUCTS

In combination with the above products, decomposes and releases large amounts of heat, chlorine, nitrogen trichloride, chlorine oxides, etc.. with the risk of explosion if the level of nitrogen trichloride is sufficiently high

11. TOXICOLOGICAL INFORMATION

Oral toxicity in rats LD50:	N.D
Oral toxicity in humans LDL:	3,570 mg/Kg
Skin Toxicity in rabbits LD50:	Light (500 mg/34 hours)

Skin contact: Redness, with a strong burning sensation

Eye contact: Severe pain and tearing with impaired vision.

Ingestion: Abdominal pain, nausea and general weakness.

Inhalation: Sore throat, cough and nausea

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12. ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to fish and algae. Do not pour directly into rivers, lakes, etc.. It hydrolyses after diluting in aqueous solution, producing hypochlorous acid and cyanuric acid. The first is transformed into chloride with time and the action of sunlight and the second is virtually nontoxic, which could dilute solution that pour directly into the sewer when the 0 ppm chlorine, depending on the applicable law

Theoretical TOC: 0.15 g C / g.

13. DISPOSAL CONSIDERATIONS

Product disposal

We will work with plenty of water and alkaline pH. Proceed as follows: 20 liters of water are added at 2.5 kg of sodium carbonate, stirring to dissolve, then add 1 kg of ground product, slowly (about 0.5 hours), let at rest for ten hours minimum, after which is added slowly (0.5 hours approx.) and stirring 0.5 kg of sodium sulphite.

After all the above operations, we will check if there is free chlorine is neutralized if necessary. To perform all these operations are used gloves and full face mask with filter halogens, in addition to an open space, as there may be evolution of chlorine gas. Both the stirrer will recipient as materials resistant to corrosion (eg. Of plastics)

Packages disposal

The used containers can be removed legally allowed to ask the local authority, which assigned the landfill or incinerator

Waste disposal:

The residue from the process of disposal of this product may be discharged into sewer diluted with large amounts of water according the applicable law.

Another process of destruction, if the product is dry, incineration is mixing the product with solvents. The incinerator must have a washing system for combustion gases containing chlorine.

The product packaging must be disposed of according to local or national provisions in force concerning the disposal of industrial waste.

14. TRANSPORT INFORMATION

Label for transport: Class 9. Dangerous for the environment

ADR: Class 9 12^o c. N^o Panel Orange tank: 90-3077

IMDG: Class 9. UN 3077. UN 3077. Packing Group III

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IATA: Class 9 UN 3077

15. OTHER REGULATORY INFORMATION

Hazard Symbol	Xn: Harmful N: Dangerous for the environment
CE Clasification Number	613-031-00-5
R Phrases:	R22: Harmful if ingested R 31: Contact with acids releases toxic gas R36/37: Irritating to eyes and respiratory system R50/53: Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
S Phrases:	S 2: Keep out of children S7 / 8 Keep containers closed and dry. S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. S41: In case of fire and / or explosion do not breathe fumes S45 In case of accident or serious illness consult Tell your doctor immediately (if possible show the label) S60: Waste this material and its container as hazardous S61: Avoid release to the environment. Refer to special instructions of the safety data sheet

16. OTHER INFORMATION

The information in this sheet was also distributed to the purposes specified in Law 31/1995 of November 8 BOE 10-11-95, Occupational Risk Prevention, Directive 89/391 / EEC.
These sheets are produced using EEC Directive 67/548 and successive adaptations. Last adaptation: Order of October 5, 2000 on amendment of the regulation of new substances and classification, packaging and labeling of dangerous substances, approved by ED 363/95.

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