Material Safety Data Sheet

EN-CLOR

Infosafe No.: 1JA37
ISSUED Date : 04/03/2014
ISSUED by: JASOL AUSTRALIA

CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name
EN-CLOR

Product Code
108

Company Name
JASOL AUSTRALIA

Address
Level 3, 187 Todd Road PORT MELBOURNE
VIC 3207

Emergency Tel.
1800 629 953

Telephone/Fax Number
Tel: 1800 334 679
Fax: 03 9580 9902

Recommended Use
Chlorine based bleach powder. EN-CLOR may be added manually to the wash wheel or through dispensing systems at a rate of 0.5-1.5gm per kg of dry weight linen. To remove mildew stains use 5.0-8.0gm per kg of linen.

2. HAZARD IDENTIFICATION

Hazard Classification
HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).
Not Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Risk Phrase(s)
R22 Harmful if swallowed.
R31 Contact with acids liberates toxic gas.
R36/37 Irritating to eyes and respiratory system.

Safety Phrase(s)
S2 Keep out of reach of children.
S8 Keep container dry.
S22 Do not breathe dust.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S41 In case of fire and/or explosion do not breathe fumes.

Other Information
LD 50 : Sodium dichloroisocyanurate 700 mg/kg oral, rat

		6,000 mg/kg skin rabbit
LC 50 :	Chlorine	293 ppm/1 hour, rat
LCLo :	Chlorine	2,530 mg/m3/30 min, human

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization
Solid

Ingredients

Name	CAS	Proportion
Dichloro-1,3,5-triazinetrione, sodium salt	2893-78-9	10-30 %
Ingredients determined not to be hazardous		60-100 %

4. FIRST-AID MEASURES

Inhalation
Remove from exposure, rest and keep warm. Apply artificial respiration if not breathing. Unless exposure has been slight, obtain medical attention.

Ingestion
If swallowed, do NOT induce vomiting. Give a glass of water to be taken slowly.

Skin
If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Wash clothing before re-use.

Eye
If in eyes, hold eyes upen, flood with water for at least 15 minutes and see a doctor.

First Aid Facilities
Eye wash. Hand wash basin.

Advice to Doctor
Product contains 30 % of sodium dichloroisocyanurate. Risk of delayed onset of pulmonary oedema. Contact Poisons Information Centre.

Symptoms and Effects
No adverse health effects expected if the product is handled in accordance with this MSDS and the product label.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water fog or fine water spray.

Hazards from Combustion Products
Chlorine, sodium hypochlorite, cyanuric acid, carbon dioxide.

Specific Methods
In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.

Specific Hazards
Not flammable. Mixtures with combustible materials may be readily ignited and can burn fiercely, especially in the presence of moisture. Contact with acids will generate carbon dioxide, a simple asphyxiant, and chlorine, a toxic gas. May react violently with calcium hypochlorite.

Other Information
Prevent spillages from entering natural waters.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal
Disposal of small spillages only. For large spillages liquids should be contained using sand or earth, and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition.
If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water. Ventilate area to dispel any residual vapour.

7. HANDLING AND STORAGE

Conditions for Safe Storage
Store in a cool, dry, well ventilated area, out of reach of children. Large quantities should be stored in a dangerous goods store. Store in original container. Keep container tightly closed. Keep container dry. Keep away from calcium hypochlorite, combustible materials, acids, copper and copper alloys. Protect from physical damage. Clean up all spills promptly; avoid secondary accidents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards
No Exposure Limit Established

Engineering Controls
Do not use copper or copper alloys as materials of construction. Use in a well ventilated area. Consider local mechanical exhaust/ extraction to keep airborne contamination below TLV.

Personal Protective Equipment
Avoid contact with the skin. Prevent contact with the eyes. Avoid breathing the dust. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

Dust mask
Face shield or safety glasses
Gloves, rubber or plastic
Plastic apron, sleeves and boots
Impervious overalls. CAUTION: Cotton or linen overalls impregnated with oxidisers may be readily ignited and can burn fiercely.

Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
Solid

Appearance
White, granular powder with faint chlorine odour.

Odour
Slight smell of chlorine.

Melting Point
No data.

Solubility in Water
Soluble 25% w/w

pH Value
10.0 - 10.3 (1% solution)

Vapour Pressure
None

Flash Point
None.

Flammability
Not flammable. Mixtures with combustible materials may be readily ignited and can burn fiercely, especially in the presence of moisture.

Auto-Ignition Temperature
No data for the mixture. Sodium dichloroisocyanurate will undergo self-sustaining decomposition with evolution of heat if heated to 240 - 250 °C.

Other Information
Oxidising agent. Mixtures with combustible materials are readily ignited and can burn fiercely. Will react vigorously with acids to generate carbon dioxide, a simple asphyxiant, and chlorine, a toxic gas. Contact with moisture will generate chlorine. May react violently with calcium hypochlorite.

10. STABILITY AND REACTIVITY

11. TOXICOLOGICAL INFORMATION

Inhalation
Dust will irritate the respiratory system. Risk of tissue damage. Chlorine gas will irritate the respiratory system at levels of 1 ppm. At 1.3 ppm of chlorine there may be coughing and difficulty breathing. Higher levels may cause throat muscle spasms and suffocation. May cause pulmonary oedema (fluid in the lungs) some time after exposure.

Ingestion
May be fatal if swallowed. On contact with moisture, forms cyanuric acid, sodium hypochlorite and chlorine.

Skin
Mildly corrosive. May cause burns when moist.

Eye
Corrosive. Risk of permanent eye damage.

Chronic Effects
Repeated low-level contact with chlorine may cause erosion of the teeth and chloracne.

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Waste Disposal
Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State.

14. TRANSPORT INFORMATION

U.N. Number
None Allocated

Proper Shipping Name
None Allocated

DG Class
None Allocated

Packing Group
None Allocated

15. REGULATORY INFORMATION

Regulatory information

Classified as hazardous according to criteria of NOHSC

HAZARDOUS SUBSTANCE.
SCHEDULED POISON.

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).
Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule
S5

Hazard Category
Harmful,Irritant

16. OTHER INFORMATION

Contact Person/Point
The Company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.

24-Hour Emergency Telephone: AUS: 1800 629 953 NZ: Poisons 0800 764 766, Spills 111 FIRE

Signature of Preparer/Data Service
Technical Manager
Tel. (08) 9337 4844

END OF MSDS