

SAFETY DATA SHEET

ACCEPTA 9013

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Issued: 20/3/03

Revision No: 4

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**Product name:** ACCEPTA 9013**CAS number:** 87-90-1**EINECS number:** 201-782-8**Index number:** 613-031-00-5**Product code:** C981 or C1042**Synonyms:** TRICHLOR

TRICHLOROISOCYANURIC ACID

TRICHLORO-1,3,5-TRIAZINETRION

Use / description of product: Oxidising, harmful chlorate. Chlorine pool and spa water sanitiser. Available in 20 gram or 200 gram tablets. Providing 90% available chlorine.**Company name:** Accepta Ltd

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2. COMPOSITION / INFORMATION ON INGREDIENTS**Hazardous ingredients:** TRICHLOROISOCYANURIC ACID >90%

EINECS: 201-782-8 CAS: 87-90-1

[O] R8; [Xn] R22; [-] R31; [Xi] R36/37; [N] R50/53

3. HAZARDS IDENTIFICATION**Main hazards:** Contact with combustible material may cause fire. Harmful if swallowed. Contact with acids liberates toxic gas. Irritating to eyes and respiratory system. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**4. FIRST AID MEASURES (SYMPTOMS)****Skin contact:** There may be irritation and redness at the site of contact. Severe burns may occur.**Eye contact:** There may be irritation and redness. Corneal burns may occur.**Ingestion:** Nausea and stomach pain may occur. There may be vomiting.**Inhalation:** Mild poisoning causes a cough, irritation of the throat and shortness of breath. Congestion of the lungs may occur causing severe shortness of breath.**4. FIRST AID MEASURES (ACTION)****Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

[cont...]

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. If conscious, drink plenty of water and seek medical advice immediately.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Drench with large amount of water, do NOT use small amount of water. Dry chemical powders containing ammonium compounds should NOT be used.

Exposure hazards: Decomposes at 225°C generating harmful gases.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Do not create dust. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Eliminate all sources of ignition.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. Alert the neighbourhood to the presence of fumes or gas.

Clean-up procedures: Do not allow to enter surface water courses. The creation and inhalation of dust must be avoided. Do not use equipment in clean-up procedure which may produce sparks. Sweep up spilt material into suitable containers for waste recovery or waste disposal. Do not use sawdust or any materials which may be oxidised.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Avoid the formation or spread of dust in the air. Smoking is forbidden. Use non-sparking tools.

Storage conditions: Store away from Calcium or Sodium Hypochlorite. Store away from acids and compounds containing ammonia. Store in cool, dry, well ventilated area. Keep container tightly closed. Avoid incompatible materials and conditions - see section 10 of SDS. Keep away from flammable and combustible materials.

Suitable packaging: Containers must be clean and free from organic residues.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits

WEL (8 hr exposure limit): 3 mg/m³ Chlorine gas

WEL (15 min exposure limit): 1.5 mg/m³ Cl gas

Engineering measures: Ensure there is sufficient local exhaust ventilation.

Respiratory protection: Dust mask recommended.

Hand protection: Protective gloves.

Eye protection: Safety goggles or face-shield. Ensure eye bath is to hand.

Skin protection: Wear appropriate clothing to prevent repeated or prolonged skin contact. Ensure safety shower is to hand.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Solid

Colour: White

Odour: Characteristic chlorinated solid

Oxidising: Oxidising (by EC criteria)

Solubility in water: 10 g/l @ 25°C

Melting point/range°C: 225

pH: 3.53 (0.1% solution)

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Flames. Moist air.

Materials to avoid: Nitrogen compounds. Calcium or Sodium Hypochlorite. Strong reducing agents. Organic materials. Ammonia compounds. Small amounts of water may cause an oxidising reaction resulting in the release of Nitrogen Trichloride. Acids.

Haz. decomp. products: In contact with acid, Chlorine gas will be evolved.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: ACCEPTA 9013

ORL RAT LD50 800 mg/kg

Hazardous ingredients: TRICHLOROISOCYANURIC ACID

ORL RAT LD50 406 mg/kg

ORL RBT LDLO 1900 mg/kg

Chronic toxicity: Exposure by inhalation, skin and eye contact must be avoided. Exposure by ingestion must be avoided.

Routes of exposure: Irritation of the eyes and mucous membranes.

12. ECOLOGICAL INFORMATION

Mobility: Soluble in water.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Other adverse effects: Very toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal operations: When discharging to the sewer diluted material, such as swimming pool or spa bath water, it is

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essential to ascertain prior to discharge that the Chlorine level present is acceptable to the sewage undertaker.

Do not mix with Sodium or Calcium Hypochlorite. Shovel into clean closeable container.

Dispose of in accordance with local and national regulations.

Disposal of packaging: All residues must be removed from packaging prior to disposal as controlled waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no:	2468	ADR Class:	5.1
Packing group:	II	Classification code:	O2
Shipping name:	TRICHLOROISOCYANURIC ACID, DRY		
Labelling:	5.1	Hazard ID no:	50

**IMDG / IMO**

UN no:	2468	Class:	5.1
Packing group:	II	EmS:	F-A,S-Q
Marine pollutant:	NO	Labelling:	5.1

IATA / ICAO

UN no:	2468	Class:	5.1
Packing group:	II	Packing instructions:	508(P&CA); 511(CAO)
Labelling:	5.1		

15. REGULATORY INFORMATION

Hazard symbols: Oxidising.
Harmful.
Dangerous for the environment.



Risk phrases: R8: Contact with combustible material may cause fire.
R22: Harmful if swallowed.
R31: Contact with acids liberates toxic gas.

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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.

Safety phrases: S2: Keep out of the reach of children.

S7: Keep container tightly closed.

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.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: Refer to the Manual Handling Operations Regulations 1992.

Store in accordance with HSE Guidance Note CS17.

Read in conjunction with the Technical Data sheet concerning use of the product.

NOTE: alterations and additions have been made in Sections 4, 5, 6, 7, 8, 9, 10, 12 and 13 in revision 4.

Risk phrases used in s.2: R8: Contact with combustible material may cause fire.

R22: Harmful if swallowed.

R31: Contact with acids liberates 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.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.