

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name **ACCEPTA 2591**

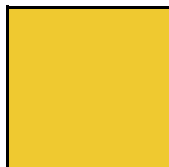
Application A liquid biocide for the control of bacteria, fungi and algae in open recirculating cooling systems and evaporative condensers.

Supplier **ACCEPTA LTD**
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No	% (active)	EINECS-No.	Symbols	R-phrases
DBNPA	10222-01-2	20%		Xn-Harmful,	R20/22, R38, R41, R43,
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3. HAZARDS IDENTIFICATION



Physical / chemical hazards: Harmful

Environmental Hazards: Aqueous solutions will kill wild life, aquatic life and fish.

Human health hazards: Harmful by inhalation and if swallowed
 Irritating to the skin

4. FIRST AID MEASURES

Ingestion: May cause marked irritation of the mouth, throat, oesophagus and stomach. There will be discomfort or pain in the mouth, throat, chest, abdomen, nausea, vomiting, diarrhoea, dizziness, faintness, drowsiness, weakness, thirst, circulatory collapse and coma.

Wash out mouth thoroughly with water. Give water to drink. Vomiting may be induced.

Inhalation: Harmful and irritating

Remove to fresh air. Obtain medical advice.

Skin contact: Irritation and redness of skin. Soreness on prolonged contact.

Wash with soap and water. Remove contaminated clothing for washing. Consult doctor in accordance with symptoms.

Eye contact: Severe irritation. Prolonged contact may cause damage.

Immediately rinse eye with sterile water for 20 minutes. Seek medical advice.

5. FIRE FIGHTING MEASURES

Flammability:	Non-flammable
Extinguishing media:	Water spray jet, extinguishing powder or foam, carbon dioxide .
Unsuitable extinguishing media:	None
Hazardous decompositions:	Evaporation to dryness and subsequent decomposition generates toxic fumes of nitrogen oxides .
Protective equipment:	Protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear full protective equipment - gloves, eye/face protection and overalls. Ensure sufficient air supply.
Environmental precautions:	Do not allow to enter water courses. Uncontrolled discharges must be alerted to the Environment agency or other appropriate body.
Methods of clean up:	Small spillages should be flushed with water to a foul drain. Large spillages should be controlled and collected into a plastic container (s), clearly labelled. Spoiled product should be disposed of via an approved waste disposal contractor.

7. HANDLING AND STORAGE

Handling:	Avoid direct contact with product. Before eating, drinking or smoking wash hands with soap and water.
Storage:	Store at ambient temperature. Do not allow to freeze. Store away from foodstuffs. After dispensing product, ensure that the container is firmly secured.
Shelf life:	>12 months
Suitable packaging:	Polyethylene containers.
Unsuitable packaging:	Metals and alloys.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:	Substance:	No materials present that are listed in EH40/2005.	
	Long term WEL (8 Hr):	ppm	mg/m3
	Short term WEL (15 min):	ppm	mg/m3
Engineering measures:	Ensure adequate ventilation of working area.		
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.		
Skin, hand and body protection:	Overalls, boots and rubber gloves.		
Eye protection:	Chemical goggles or face shield.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solution	Boiling point (C):	>100 C
Colour:	Amber liquid	Decomposition temp (C):	Decomposes on heating
Odour:	Characteristic	Specific Gravity:	1.232
Molecular weight:		Solubility:	Completely miscible
pH:	2.5 - 3.5	Flash point (C):	>100 C

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Thermal decomposition: Oxides of nitrogen, and carbon. Hydrogen bromide.

Conditions to avoid: High temperatures.

Materials to avoid: Normally unreactive.

Hazardous reactions: Reacts with strong alkalis.

Decomposition products: Oxides of nitrogen, and carbon. Hydrogen bromide.

11. TOXICOLOGICAL INFORMATION (of hazardous constituents)

Acute toxicity:	Oral:	2,2-dibromo-3-nitrilopropionamide	LD50 oral (rat)	510 mg/kg
	Dermal:	2,2-dibromo-3-nitrilopropionamide	Dermal (Rabbit)	>2000 mg / kg
	Inhalation:	Inhalation LC50 (rat) - 1.325 mg/l/4h		
	Eye:	Corrosive		

Other data:

12. ECOLOGICAL INFORMATION

Biodegradability and persistence: Not readily biodegradable.

Ecotoxic effects: COD 1090 mg O₂ / g, TOC 300 mg C / g

Other data:

13. DISPOSAL CONSIDERATIONS

Methods of disposal: Small quantities can be disposed of via a foul drain. Larger quantities should be handled by a licensed contractor in accordance with Waste Disposal Regulations.

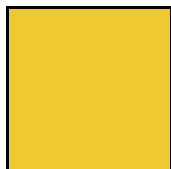
Packaging disposal: Return empty containers to the supplier for recycling or destroy by cutting up or by incineration. Do not use for potable water.

14. TRANSPORT INFORMATION

UN No.: 3265 Proper shipping name: PROPER SHIPPING NAME - CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (contains 2,2-dibromo-3-nitrilopropionamide)

Mode	Regulation	Class	Packing group	Ems No.	Stowage	Code	Subsidiary risk
Road/Rail	European - ADR/RID	8	III				
Sea	IMO / IMDG						
Air	ICAO / IATA						

15. REGULATORY INFORMATION (Classification and labelling according to UK CHIP Regs/EEC Directive 88/379/EEC)



Risk Phrases

- R20/22 Harmful by inhalation and if swallowed
- R38 Irritating to the skin
- R41 Risk of serious damage to eyes
- R43 May cause sensitisation by skin contact

Safety phrases

- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S27 Take off immediately all contaminated clothing
- S28 After contact with skin, wash immediately with plenty of water.
- S36/37/39 Wear suitable protective clothing gloves and eye/face protection

16. OTHER INFORMATION

The above information is based on current knowledge of the product at the time of publication and is given in good faith.

It is believed to be correct but does not purport to be all-inclusive and shall therefore be used only as a guide. ACCEPTA LTD implies no warranty with respect to the quality, specification or the suitability of the product. The client/user must completely satisfy themselves that the product is entirely suitable for the intended purpose.

In no event shall ACCEPTA LTD be held liable for any injury, loss or damage, to persons, plant or equipment or loss of production/sales resulting from its use or storage.

The information contained in this SDS does not constitute an assessment of work place risks. The customer should undertake a formal COSHH assessment which should ensure that employees are aware of the hazards / precautions detailed in the SDS. The COSHH assessment should ensure that the recommended safety equipment is available and where applicable, that the exposure limits detailed in section 8 are not being exceeded.

References: The Carriage of Goods by Road and Rail Regulations.
The Control of Substances Hazardous to Health Regulations (COSHH).
The Chemicals Hazard Information and Packaging Regulations (CHIP).