

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name **Accepta 2507**

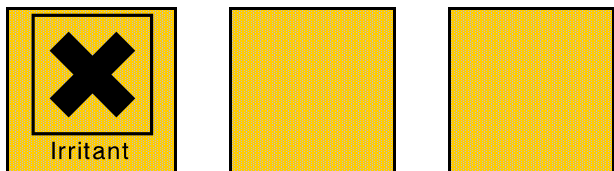
Application An environmentally friendly corrosion and scale inhibitor for open evaporative cooling systems and evaporative condensers.

Supplier **ACCEPTA LTD**
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 OLD TRAFFORD, MANCHESTER, M32 0FP
 Tel: 0161 877 2334 Fax: 0870 135 6389

2. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical name | CAS No | % (active) | EINECS-No. | Symbols | R-phrases |
|---------------------|-------------|------------|--------------------|--------------|---------------------|
| PBTC | 37971-36-1 | 2 - 10% | 253-733-5 | C-Corrosive, | R34, , , , |
| Caustic soda | 001310-73-2 | 1 - 5% | 215-185-5 | C-Corrosive, | R35, , , , |
| Sodium polyacrylate | 9003-04-7 | 5 - 10% | Polymer not listed | Xi-Irritant, | R36, , , , |
| Benzotriazole | 95-14-7 | 1 - 5% | 202-394-1 | Xn-Harmful, | R22, R36/37/38, , , |
| | | | | , | , , , , |
| | | | | , | , , , , |

3. HAZARDS IDENTIFICATION



Physical / chemical hazards: Irritant

Environmental Hazards: Nil

Human health hazards: Irritating to eyes and skin

4. FIRST AID MEASURES

Ingestion: Mild irritation to mouth

 Drink plenty of water. Do not induce vomiting.

Inhalation: No known ill effects

 Not applicable

Skin contact: Mild irritation.

 Wash with soap and water. Remove contaminated clothing for washing.

Eye contact: Mild irritation

 Immediately rinse eye with sterile water for 10 minutes. If irritation persists, seek medical advice.

Notes to doctor: None

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable
Extinguishing media: Water spray jet, extinguishing powder or foam, carbon dioxide .
Unsuitable extinguishing media: None
Hazardous decompositions: Decomposition generates oxides of carbon (CO and CO₂) and sulphur (SO₂).
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.
Methods of clean up: Small spillages can be flushed to drain with additional water. Large spillages should be contained. Dilute and neutralise to pH 6-10 with a convenient acid before discharge to drain

7. HANDLING AND STORAGE

Handling: No special precautions. Before eating, drinking or smoking wash hands with soap and water.
Storage: Store above 10 C. Do not allow to freeze. Ensure that the container is firmly secure when not in use.
Shelf life: >12 months
Suitable packaging: Polyethylene, polypropylene and stainless steel 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: None
Respiratory protection: Not applicable.
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
Colour: Pale orange Decomposition temp (C): Decomposes on heating
Odour: Slight Specific Gravity: 1.101
Molecular weight: Solubility: Completely miscible
pH: 10.5 Flash point (C):

10. STABILITY AND REACTIVITY

- Stability: Stable under normal conditions May crystallise below 0 C.
- Thermal decomposition: Decomposition generates oxides of carbon (CO and CO₂) and sulphur (SO₂).
- Conditions to avoid: High temperatures and evaporation of water.
- Materials to avoid: Normally unreactive.
- Hazardous reactions: No known hazardous reactions.
- Decomposition products: Decomposition generates oxides of carbon (CO and CO₂) and sulphur (SO₂).

11. TOXICOLOGICAL INFORMATION (of hazardous constituents)

- Acute toxicity: Oral; Irritant
Dermal: Irritant
Inhalation:
Eye: Irritant

Other data:

12. ECOLOGICAL INFORMATION

- Biodegradability and persistence: Fully biodegradable.
- Ecotoxic effects: The polymers will contribute to the BOD and COD of the receiving waters - no data available.
- Other data: Short term harm to aquatic environment through pH effects.

13. DISPOSAL CONSIDERATIONS

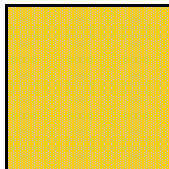
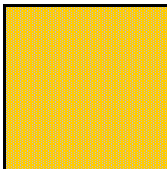
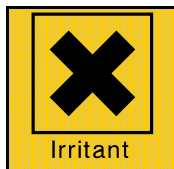
- Methods of disposal: Small quantities can be disposed of via a foul drain. Larger quantities should be handled by a licensed contractor in accordance with Waste Disposal Regulations.
- Packaging disposal: Return empty containers to the supplier for recycling or destroy by cutting up or by incineration. Do not use for potable water.

14. TRANSPORT INFORMATION

UN No.: N/A Proper shipping name: PROPER SHIPPING NAME - Nil hazard for transport

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

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



Risk Phrases

R36/38 Irritating to eyes and skin

Safety phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S37/39 Wear suitable gloves and eye/face protection

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

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).