

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

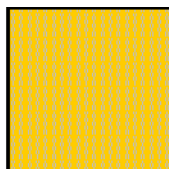
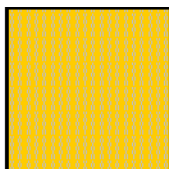
Product Name 2511

Application A low toxicity multipurpose scale and corrosion inhibitor specially formulated for once through hot water systems.

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

Chemical name	CAS No	% (active)	EINECS-No.	Symbols	R-phrases
PBTC	37971-36-1	5-15%	253-733-5	C-Corrosive,	R34, , , ,
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3. HAZARDS IDENTIFICATION

Physical / chemical hazards: Irritant

Environmental Hazards: pH lethal to aquatic life

Human health hazards: Irritating to eyes, respiratory system and skin
7/38

4. FIRST AID MEASURES

Ingestion: Severely irritating to mouth and gastrointestinal tract.
Wash out mouth with water then drink plenty of water. Do not induce vomiting. Consult doctor and show this datasheet,

Inhalation: Irritating to respiratory tract
Remove to fresh air. Obtain medical advice if symptoms persist.

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.

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:	Acidic fumes released on heating.
Protective equipment:	Wear full protective equipment - gloves, eye/face protection and overalls.

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 can be flushed to drain with additional water. Large spillages should be contained. Neutralise to pH 6-10 with a convenient alkali before discharge to drain

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 strong alkalis and chlorinated materials.
Shelf life:	>12 months
Suitable packaging:	Polyethylene containers, PVC, PTFE, glass and rubber lined steel.
Unsuitable packaging:	All metals and alloys including stainless steel.

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:	Acid - resistant floor necessary.		
Respiratory protection:	Not applicable unless aerosol formation possible, in which case appropriate respiratory protection must be worn.		
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:	Clear	Decomposition temp (C):	
Odour:	Sweet	Specific Gravity:	1.021
Molecular weight:		Solubility:	Completely miscible
pH:	<2	Flash point (C):	

10. STABILITY AND REACTIVITY

- Stability: Stable under normal conditions May crystallise below 0 C.
- Thermal decomposition: Stable
- Conditions to avoid: Avoid temperature extremes.
- Materials to avoid: Reacts with most metals releasing the highly flammable gas hydrogen.
- Hazardous reactions: Will react with bases . Avoid contact with hypochlorite solutions.
- Decomposition products: Stable

11. TOXICOLOGICAL INFORMATION (of hazardous constituents)

- Acute toxicity: Oral; 2-Phosphono 1,2, 4-tricarboxylic acid LD50 (oral, rat) 3094
Dermal: 2-Phosphono 1,2, 4-tricarboxylic acid Corrosive
Inhalation: Mists or sprays very irritating to respiratory system
Eye: Corrosive
- Other data:

12. ECOLOGICAL INFORMATION

Biodegradability Fully biodegradable.
and persistence:

Ecotoxic effects: 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 after neutralising with lime. 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

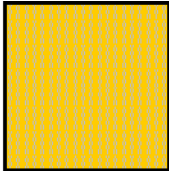
UN No.: N/A Proper shipping name: PROPER SHIPPING NAME - Nil hazard for transport

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).