

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

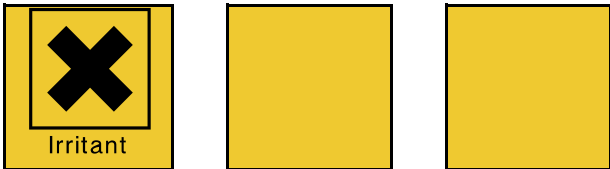
**Product Name**    **ACCEPTA 2590**  
**Application**      A base exchange softener resin treatment.

**Supplier**            **ACCEPTA LTD**  
 STATHAM HOUSE, TALBOT ROAD,  
 OLD TRAFFORD, MANCHESTER, M32 0FP  
 Tel: 0161 877 2334 Fax: 0870 135 63 89  
 sales@accepta.com

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No	% (active)	EINECS-No.	Symbols	R-phrases
Citric acid monohydrate	77-92-9	5 - 10%	201-069-1	Xi-Irritant,	R36/38, , , ,
1-Hydroxy ethylidene-1,1-diphosphonic acid	2809-21-4	<5%	220-552-8	C-Corrosive,	R34, , , ,
Modified polyethoxylate	68603-25-8	<5%		Xn-Harmful,	R22, R36, , ,
				,	, , , ,
				,	, , , ,
				,	, , , ,

## 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. Do not ingest.

                          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 CO<sub>2</sub>) and phosphorus(PO<sub>x</sub>).  
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 foul drain. Larger spillages should be contained, adsorbed onto inert material and collected into suitable plastic containers. Clearly label. Disposal should be handled by a licensed contractor in accordance with Waste Disposal regulations.

## 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:	Citric acid		
No data available	Long term WEL (8 Hr):	ppm	mg/m <sup>3</sup>	
	Short term WEL (15 min):	ppm	mg/m <sup>3</sup>	

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:	Clear solution	Decomposition temp (C):	Decomposes on heating
Odour:	Slight	Specific Gravity:	1.054
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: Decomposition generates oxides of carbon (CO and CO<sub>2</sub>) and phosphorus(PO<sub>x</sub>).
- Conditions to avoid: Avoid temperature extremes.
- Materials to avoid: Metals and alloys.
- Hazardous reactions: Reacts with strong alkalis.
- Decomposition products: Decomposition generates oxides of carbon (CO and CO<sub>2</sub>) and phosphorus(PO<sub>x</sub>).

## 11. TOXICOLOGICAL INFORMATION (of hazardous constituents)

- Acute toxicity: Oral; Citric acid Irritant  
Dermal: Citric acid Irritant  
Inhalation: Mists or sprays irritating to respiratory system  
Eye: Irritant

Other data:

## 12. ECOLOGICAL INFORMATION

Biodegradability and persistence: Fully biodegradable.

Ecotoxic effects: Low phosphorus content.

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.

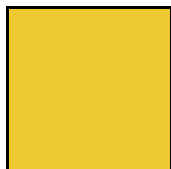
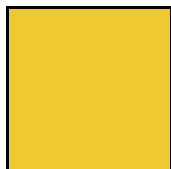
Packaging disposal: Return empty containers to the supplier for recycling or destroy by cutting up or by incineration. Do not use for potable water.

## 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

S36/37/39 Wear suitable protective clothing 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).