

# Material Safety Data Sheet

## 1. Identification of the substance / preparation chemical product

**Product/Trade Name:** Scale Remover  
**Chemical Name:** Sodium polymetaphosphate  
**Material Safety Data Sheet Date:** 17.01.08  
**Company Identification:** Total Pool Chemicals Ltd, Unit 1, Pool Bank Park, High Street, Tarvin Chester, CH3 8JH  
 Telephone 01829 740290 Fax 01829 741855

## 2. Component Information:

Chemical name	CAS Reg. No.	Einecs
Sodium polymetaphosphate	10361-03-2	233-782-9

## 3. Hazards Identification

Low Hazard in normal conditions of handling and use.

## 4. First Aid Procedures

Exposure Route	Symptom	Treatment
Inhalation	Mild irritation of airways	Remove subject from exposure, rest and keep warm. In severe cases or if recovery is not rapid or complete seek medical attention. Give artificial respiration if breathing has stopped.
Eye Contact	Mild irritation	Flush eyes with large amount of water for at least 10 minutes. If irritation persists obtain medical attention.
Skin Contact	Mild irritation	Drench affected skin areas thoroughly with plenty of water. Remove contaminated clothing and wash thoroughly. Obtain medical attention if irritation persists.
Ingestion	Mild irritation of upper digestive tract	Wash out mouth with water. If patient is

		conscious give water to drink. If patient feels unwell seek medical attention.
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## **5. FIRE FIGHTING INFORMATION**

**Suitable Extinguishers:** Use extinguisher suitable for cause of fire

**Hazardous Combustion Products:** **Material does not burn or help other materials to burn**

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal Protection:** Wear appropriate personal protective equipment  
- see section 8

**Environmental Precautions:** Keep out of drains and water courses.

**Clean up Procedure:** Bund or absorb material with sand, earth or suitable absorbent material. If possible, transfer spilled material to suitable container for recovery

## **7. HANDLING AND STORAGE**

**Ventilation** Store in a well ventilated area.

**Storage** Keep container tightly closed when not in use

**Temperature Range:** Ambient

**Humidity Range:** Ambient

**Keep away from:** See section 10

**Suitable storage media:** Store in tightly closed containers

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Exposure Limit Information**

<b>No</b>	<b>Name</b>	<b>CAS REG. No</b>	<b>TLV</b>
	Sodium polymetaphosphate	10361-03-2	This product exhibits no acute toxicity on a single exposure

## **PERSONAL PROTECTION MEASURES**

**Eye protection:** Use safety glasses (ANSI Z87.1) or approved equivalent.

**Hand protection:** Use gloves

**Skin:** Wear overalls and boots

**Hygiene Measures** Always wash thoroughly after handling chemicals

## **9. TYPICAL PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear solution
<b>Freezing Point:</b>	-3°C
<b>Boiling Point:</b>	>100 °C
<b>Specific Gravity:</b>	1.03 (Water=1)
<b>Odour Characteristic:</b>	Slight aromatic
<b>State:</b>	Aqueous solution
<b>Solubility in water:</b>	Completely miscible in all proportions

## **10. STABILITY AND REACTIVITY INFORMATION**

<b>Stability:</b>	This material is considered stable.
<b>Hazardous decomposition products:</b>	Material does not burn or help other materials to burn
<b>Incompatibility:</b>	

## **11. TOXICOLOGICAL INFORMATION**

Based on information on pure raw materials

<b><u>Acute Data:</u></b>	<b>Sodium Polymetaphosphate</b>
<b>Dermal LD50 - rabbit:</b>	>7940 mg/kg
<b>Oral LD50 - rat:</b>	>6600 mg/kg
<b>Eye Irritation - rabbit:</b>	slight irritation
<b>Skin Irritation - rabbit:</b>	practically no irritation
<b><u>Mutagenicity Data:</u></b>	Non-mutagenic
<b><u>Carcinogenicity Data:</u></b>	Non-carcinogenic

## **12. ECOLOGICAL INFORMATION** ENVIRONMENTAL TOXICITY

Sodium Polymetaphosphate Phosphate will promote algae growth in water courses

## **13. WASTE DISPOSAL**

<b>Procedure:</b>	For disposal, via authorised waste disposal contractor at a facility that complies with local, state and federal regulations.
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## **14. TRANSPORT INFORMATION**

ADR Class	Not regulated for transport
IMO Class	Not regulated for transport
IATA Class	Not regulated for transport

## **15. REGULATORY INFORMATION**

### **Supply label details**

<b>Label Name</b>	Scale remover
<b>Symbols</b>	No risk or safety phrases stipulated
<b>Risk Phrases</b>	No risk or safety phrases stipulated

**FURTHER INFORMATION**

*The information contained herein relates only to the specific material identified. Total Water Treatment believes that such information is accurate and reliable as of the date of this material safety data sheet, but representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability or completeness of the information. Total Water Treatment urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.*