

# Material Safety Data Sheet

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product/Trade Name:** TANKCURE®  
**Chemical Name:** Sodium polymetaphosphate  
 Sodium bicarbonate  
**Material Safety Data Sheet Date:** January 2008  
**Company Identification:** Total Pool Chemicals Limited  
 Unit 1, Pool Bank Park, High St, Tarvin, Chester, CH3 8JH

## 2. COMPONENT INFORMATION:

<i>No.</i>	<i>Cas Reg. No.</i>	
1. Sodium bicarbonate	144-55-8	
2. Sodium polymetaphosphate	10361-03-2	

See Section 8, Exposure Controls / Personal Protection

### EEC Risk Classification

See Section 13, Regulatory Information

# This product is a preparation

## 3. HEALTH EFFECTS FROM OVER EXPOSURE

**Primary Routes of Exposure:** Inhalation, Skin Contact, Eye Contact  
**Inhalation:** Repeated or prolonged exposure can cause the following:  
 - irritation of nose and throat.  
**Eye Contact:** Material can cause the following:  
 - slight irritation  
**Skin Contact:** Prolonged or repeated skin contact can cause the following:  
 - slight skin irritation.

## 4. FIRST AID PROCEDURES

**Inhalation:** Move subject to fresh air. Give artificial respiration if breathing has stopped.

**Eye Contact:** Flush eyes with large amount of water for at least 15 minutes. Consult a doctor if irritation persists.

**Skin Contact:** Wash affected skin areas thoroughly with soap and water. Remove and wash contaminated clothing thoroughly. Consult a doctor if irritation persists.

**Ingestion:** If swallowed, give 2 glasses of water to drink. Never give anything to mouth of unconscious person. Consult a doctor.

## 5. FIRE FIGHTING INFORMATION

**Flash Point:** Not Applicable  
**Auto-Ignition Temperature:** Not Applicable  
**Lower Explosive Limit:** Not Applicable  
**Upper Explosive Limit:** Not Applicable

**Unusual hazards:** Combustion generates toxic fumes of the following :  
bromine gas , sodium oxide.

**Extinguishing agents:** Use extinguishing media appropriate for surrounding fire.

**Personal protective** Wear self contained Breathing apparatus (pressure equipment: demand MSHA / NIOSH approved or equivalent) and full protective gear.

**Special procedures:** Use water spray to cool containers exposed to fire.  
Minimise exposure DO NOT breathe fumes. Contain run-off.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Protection:** Wear gloves made of the following material:  
- butyl rubber-natural rubber.  
Additional personal protective equipment should include the following:-  
safety glasses (ANSI Z87.1 or approved equivalent).

**Procedures:** Transfer spilled material to suitable container for recovery or disposal. See WASTE DISPOSAL section for information regarding the disposal of contained spills.

## **7. HANDLING AND STORAGE**

**Storage Conditions** Store in a well ventilated area. Keep container tightly closed when not in use. Wash thoroughly after handling.

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

### **Exposure Limit Information**

<b>No</b>	<b>Name</b>	<b>CAS REG No</b>	<b>TLV</b>
1	Sodium polymeta-phosphate	10361-03-2	This product exhibits no acute toxicity on a single exposure
2	Sodium bicarbonate	144-55-8	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:** Avoid skin contact. When using this substance, use skin protection  
Butyl rubber - Natural rubber.  
Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

**Other protection:** Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

**Other protective equipment:** Facilities storing or utilising this material should be equipped with an eyewash facility and a safety shower.

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

**Colour:** Colourless liquid  
**Freezing Point:** Minus 1 degree Centigrade  
**Boiling Point:** 100 °C  
**Specific Gravity:** 1.03 (Water=1)  
**Odour Characteristic:** Odourless  
**State:** Aqueous solution

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

**Instability:** This material is considered stable.

### **Hazardous decomposition**

**Products:** Thermal decomposition may yield the following:- carbon dioxide.

**Incompatibility:** Avoid contact with the following:- sodium potassium alloy and ammonium hydrogen phosphate

## **11. TOXICOLGICAL INFORMATION**

<b><u>Acute Data:</u></b>	Sodium Bicarbonate	Sodium Polymetaphosphate
<b>Dermal LD50 - rabbit:</b>	non toxic	>7940 mg/kg
<b>Oral LD50 - rat:</b>	non toxic	>6600 mg/kg
<b>Eye Irritation - rabbit:</b>	slight irritation	slight irritation
<b>Skin Irritation - rabbit:</b>	practically no irritation	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 Bicarbonate	Non hazardous to living resources
Sodium Polymetaphosphate	Phosphate will promote algae growth

## **13. WASTE DISPOSAL**

**Procedure:** For disposal, incinerate or landfill this material at a facility that complies with local, state and federal regulations.

## **14. TRANSPORT INFORMATION**

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

## **15. REGULATORY INFORMATION**

**EEC** This product satisfies all the requirements of the European Inventory of Existing Chemical Substances (EINECS)

### **EINECS Information**

No.	Cas Reg. No.	EINECS
1. Sodium polymetaphosphate	10361-03-2	233-782-9
2. Sodium bicarbonate	144-55-8	205-635-8

**Indications of Danger** This substance is not hazardous according to EEC Directives 67/548/EEC and 88/379/EEC

**16. OTHER INFORMATION**

<i>Total Pool Chemicals Hazard</i>		<i>Scale</i>
	<i>Rating.</i>	4 = Extreme
Toxicity	1	3 = High
Fire	0	2 = Moderate
Reactivity	0	1 = Slight
Special	-	0 = Insignificant

*The information contained herein relates only to the specific material identified. Total Pool Chemicals Limited 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 Pool Chemicals Limited urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.*