

**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME: C.T.P.****DATE: February 12, 2009****SUPPLIER:**

Melrose Chemicals Ltd.  
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**PRODUCT USE: Sanitiser****II. HAZARDS IDENTIFICATION****Hazard classification of product according to Directive 1999/45/EC:** Xi, irritant**Hazards for humans:** Contact with acids liberates toxic gas.**Hazards for environment:** Not applicable.**III. COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Identity:	Index #	EINECS #	CAS #	% Conc.Toxicity
Tridecasodium hypochlorite tetrakis(phosphate)		234-307-8	11084-85-8	60 - 100Xi; R31, 36/38
<b>Ingredients according to Directive 2004/648/EC</b>				
Phosphates	>30%			

**IV. FIRST AID MEASURES****Contact with skin:** Wash exposed area with soap and water and rinse well.**Contact with eyes:** Flush with plenty of water. Get medical attention if irritation persists.**Inhalation:** Remove to fresh air. Obtain medical attention if irritation persists..**Ingestion:** If victim is conscious, give two glasses of water to drink. Call a physician. Do not give anything by mouth to an unconscious person.**V. FIRE FIGHTING MEASURES****Conditions of flammability:** Not applicable.**Means of extinction:** Not applicable.**Hazardous combustion products:** Not applicable.**Unusual fire and explosion hazards:** None**VI. ACCIDENTAL RELEASE MEASURES****Procedures to be followed in case of spills or leaks:** Small amounts - Flush with water.

Large amounts - Contain spill and collect into waste container. Flush spill area with water.

**Personal protective equipment to be used:** Protective gloves and safety glasses.**VII. HANDLING AND STORAGE****Special handling procedures and equipment:** Not applicable.**Specific storage requirements:** Keep away from acids.**VIII. EXPOSURE CONTROL/PERSONAL PROTECTION****Respiratory Protection:** Dust mask.**Protective Gloves:** Nitril or neoprene.**Eye Protection:** Safety glasses.**Additional Protective Equipment:** Not applicable.**Ventilation:** Not applicable.**IX. PHYSICAL AND CHEMICAL PROPERTIES****Flashpoint and method of determination:** Not applicable.**Flammable limits (% in air):** LOWER: Not applicable. UPPER: Not applicable.**Auto-Ignition temp.:** Not applicable.**Physical State:** Powder**Vapour density:** Not determined.**Coefficient of n-octanol/water distribution:** Not determined.**Odour:** Chlorine**Boiling Point:** Not applicable.

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**Specific Gravity:** Not applicable.  
**Vapour Pressure:** Not determined.  
**Evaporation Rate:** Not determined.  
**Solubility in water:** Complete

**Freezing Point:** Not applicable.  
**pH:** 11.7 (1% solution)  
**Colour:** White  
**Odour threshold:** Not applicable.

## X. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions. Hazardous polymerization will not occur.  
**Incompatible substances:** Strong reducing agents and strong acids.  
**Conditions of reactivity:** Avoid contamination with reactive substances.  
**Hazardous decomposition products:** Chlorine.

## XI. TOXICOLOGICAL INFORMATION

**Probable route of exposure:** Dust in eyes or on skin.  
**Exposure Limits:** LD<sub>50</sub> (Rat,oral) 7500 mg/kg  
**Effect of acute and chronic exposure to product:** Irritating to eyes and skin.  
**Irritating:** No  
**Sensitisation to product:** No  
**Carcinogenicity:** Data not available.  
**Reproductive toxicity:** Data not available.  
**Teratotoxicity:** Data not available.  
**Mutagenicity:** Data not available.  
**Name of toxicologically synergistic product(s):** Data not available.

## XII. ECOLOGICAL CONSIDERATIONS

**Environmental toxicity information:** High concentrations will injure aquatic life by raising pH and chlorination effects.

## XIII. DISPOSAL CONSIDERATIONS

**For the product:** EC disposal code №:  
20 01 30 (non-hazardous detergent for municipal or industrial waste collection).  
**For the packaging:** EC disposal code №:  
15 01 02 (plastic packaging). Can be recycled.

## XIV. TRANSPORT INFORMATION

### CARRIAGE BY ROAD (CROSSING BORDERS) ADR/RID:

<b>ADR/RID Class:</b>	Not applicable.
<b>Hazard Identification Number:</b>	Not applicable.
<b>UN Number:</b>	Not applicable.
<b>Packing group:</b>	Not applicable.
<b>Label:</b>	Not applicable.
<b>UN proper shipping name:</b>	Not applicable.

### TRANSPORT BY SEA IMDG:

<b>IMDG Class:</b>	Not applicable.
<b>UN Number:</b>	Not applicable.
<b>Packing group:</b>	Not applicable.
<b>EMS Number:</b>	Not applicable.
<b>Label:</b>	Not applicable.
<b>Marine pollutant:</b>	No
<b>UN proper shipping name:</b>	Not applicable.

### TRANSPORT BY AIR ICAO-TI and IATA-DGR:

<b>ICAO/IATA Class:</b>	Not applicable.
<b>UN Number:</b>	Not applicable.
<b>Packing group:</b>	Not applicable.
<b>Label:</b>	Not applicable.
<b>UN proper shipping name:</b>	Not applicable.

**XV. REGULATORY INFORMATION**

**Inventory Status:** TSCA (USA), CEPA (Canada, DSL), EINECS (EU), China, TCCL (Korea, KECI), RA 6969 (Philippines, PICCS).

**WHMIS CLASSIFICATION:** Class E. 

**Danger symbol:** Xi, irritant.



**Risk phrases: 31** Contact with acids liberates toxic gas.

**36/38** Irritating to eyes and skin.

**Safety phrases: 26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

**XVI. OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Canadian *Controlled Products Regulations* and the MSDS contains all the information required by the Canadian *Controlled Products Regulations*.

This Material Safety Data Sheet is in conformation with Directive 1907/2006 (REACH) and local legislation.

R-Sentences of ingredients in paragraph II:

**31** Contact with acids liberates toxic gas.

**36/38** Irritating to eyes and skin.

**Changes to the MSDS in this revision: sections 1, 2, 3, 8, 15, 16**

**Replaces: M.S.D. dated:** February 12, 2006

**Version: 8**

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