

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**PRODUCT NAME:** CL-18**DATE:** September 28, 2006**SUPPLIER:**

Melrose Chemicals Ltd.
2323-46th ave.
Lachine, QC
CANADA H8T 3C9
Tel: +1 (514) 631-2998
Fax: +1 (514) 631-2997

PRODUCT USE: Cleaner**II. COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Identity:	EINECS #	CAS #	% Conc.	Toxicity
Troclosene Sodium	220-767-7	2893-78-9	15 - 40	O, Xn, N; R8, 22, 31, 36/37, 50/53

Ingredients according to Directive 2004/648/EC

Phosphates	15 -30%
Chlorine based bleaching agents	>30%

III. HAZARDS IDENTIFICATION**Hazard classification of product according to Directive 1999/45/EC:** Xn, harmful.**Hazards for humans:** Irritating to eyes and respiratory system.**Hazards for environment:** Not applicable.**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:** Not applicable.**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 flammable.**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:** Not applicable.**VIII. EXPOSURE CONTROL/PERSONAL PROTECTION****Respiratory Protection:** Dust mask if necessary.**Protective Gloves:** Rubber or neoprene.**Eye Protection:** Safety glasses.**Additional Protective Equipment:** Not applicable.**Ventilation:** Use with adequate ventilation.**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 applicable.**Coefficient of n-octanol/water distribution:** Not determined.**Odour:** Chlorine**Boiling Point:** Not applicable.

MATERIAL SAFETY DATA SHEET

Page No. 2 of 3

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

Freezing Point: Not applicable.
pH: 7.2 (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: Avoid strong oxidizing and reducing agents and strong acids.
Conditions of reactivity: Avoid contamination with reactive substances.
Hazardous decomposition products: None

XI. TOXICOLOGICAL INFORMATION

Probable route of exposure: Eyes and respiratory system.
Exposure Limits: LD₅₀ (Calculated) 4000 mg/kg
Effect of acute and chronic exposure to product: Irritating to eyes and respiratory system.
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: Product conforms to the regulations regarding the biodegradability of the surfactants.(Directive 2004/648/EC)

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:

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

TRANSPORT BY SEA IMDG:

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

TRANSPORT BY AIR ICAO-TI and IATA-DGR:

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

XV. REGULATORY INFORMATION

Inventory Status: TSCA (USA), CEPA (Canada, DSL), EINECS (EU), China, TCCL (Korea, KECI), RA 6969 (Philippines, PICCS), NICNAS (Australia, AICS), IEC (Japan).

WHMIS CLASSIFICATION: Class D, div 2b.



Danger symbol: Xn, harmful



Risk phrases: 22 Harmful if swallowed.

31 Contact with acids liberates toxic gas.

36/37 Irritating to eyes and respiratory system.

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

46 If swallowed seek medical advise immediately and show this container or label.

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 2001/58/EG R-Sentences of ingredients in paragraph II:

8 Contact with combustible material may cause fire.

22 Harmful if swallowed.

31 Contact with acids liberates toxic gas.

36/37 Irritating to eyes and respiratory system.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Replaces: M.S.D. dated: September 28, 2003

Version: 7

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