

**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME: C-3****DATE: June 4, 2006****SUPPLIER:**

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

<b>Chemical Identity:</b>	<b>EINECS #</b>	<b>CAS #</b>	<b>% Conc.</b>	<b>Toxicity</b>
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	270-331-5	68424-95-3	1 - 5	
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	270-325-2	68424-85-1	1 - 5	
Alcohols, C12-15, ethoxylated	500-195-7	68131-39-5	1 - 5	
<b>Ingredients according to Directive 2004/648/EC</b>				
Nonionic surfactants	5 - 15%			
Cationic surfactants	<5%			
EDTA	<5%			

**III. HAZARDS IDENTIFICATION****Hazard classification of product according to Directive 1999/45/EC:** Xi, irritant**Hazards for humans:** Irritating to eyes.**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. Absorb remaining product with earth or sand and dispose of with solid waste. 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:** Not applicable.**Protective Gloves:** Rubber or neoprene.**Eye Protection:** Safety glasses.**Additional Protective Equipment:** Not applicable.**Ventilation:** Not applicable.**IX. PHYSICAL AND CHEMICAL PROPERTIES****Flashpoint and method of determination:** >93.3°C (C.O.C.)

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**Flammable limits (% in air):** LOWER: Not applicable. UPPER: Not applicable.  
**Auto-Ignition temp.:** Not applicable.  
**Physical State:** Liquid  
**Coefficient of n-octanol/water distribution:** Data not available.  
**Odour:** Mild almond like odour  
**Specific Gravity:** 1.00  
**Vapour Pressure:** Data not available.  
**Evaporation Rate:** Data not available.  
**Solubility in water:** Complete

**Vapour density:** Data not available.  
**Boiling Point:** 100°C  
**Freezing Point:** -2°C  
**pH:** 10.8  
**Colour:** Green  
**Odour threshold:** Data not available.

## X. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions. Hazardous polymerization will not occur.  
**Incompatible substances:** Avoid strong oxidizing and reducing agents.  
**Conditions of reactivity:** Avoid contamination with reactive substances.  
**Hazardous decomposition products:** None

## XI. TOXICOLOGICAL INFORMATION

**Probable route of exposure:** Splashes in eyes.  
**Exposure Limits:** LD<sub>50</sub> (Calculated) 8000 mg/kg  
**Effect of acute and chronic exposure to product:** Irritating to eyes.  
**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:

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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).

**WHMIS CLASSIFICATION:** Class D, div 2b. 

**Danger symbol:** Xi, irritant



**Risk phrases: 36** Irritating to eyes.

**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* and national legislation.

This Material Safety Data Sheet is in conformation with Directive 2001/58/EC and local legislation.

R-Sentences of ingredients in paragraph II:

None

**Replaces: M.S.D. dated:** June 4, 2003

**Version:** 7

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