

**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME: GENERAL CLEAN**

**DATE: March 9, 2007**

**SUPPLIER:** Melrose Chemicals Ltd.  
2323-46th ave.  
Lachine, QC  
CANADA H8T 3C9  
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**PRODUCT USE:** Cleaner

**II. COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Identity:	EINECS #	CAS #	% Conc.	Toxicity
2-Butoxyethanol	203-905-0	111-76-2	1 - 5	Xn; R20/21/22, 36/38
Na Dodecylbenzenesulphonate	246-680-4	25155-30-0	1 - 5	
Disodium metasilicate	229-912-9	6834-92-0	1 - 5	C; R34, 37

**Ingredients according to Directive 2004/648/EC**

Anionic surfactants	<5%
Nonionic surfactants	<5%
Soap	<5%
Phosphates	<5%
EDTA	<5%

**III. HAZARDS IDENTIFICATION**

**Hazard classification of product according to Directive 1999/45/EC:** Xi, irritant

**Hazards for humans:** Irritating to eyes and skin.

**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:** Use with adequate ventilation for misting operations.

**IX. PHYSICAL AND CHEMICAL PROPERTIES**

**Flashpoint and method of determination:** >93.3°C (C.O.C.)  
**Flammable limits (% in air): LOWER:** Not applicable. **UPPER:** Not applicable.  
**Auto-Ignition temp.:** Not applicable.  
**Physical State:** Liquid **Vapour density:** Not available.  
**Coefficient of n-octanol/water distribution:** Not available.  
**Odour:** Sweet **Boiling Point:** 105°C  
**Specific Gravity:** 1.08 **Freezing Point:** -11°C  
**Vapour Pressure:** Not available. **pH:** 12.2 - 12.4  
**Evaporation Rate:** Not available. **Colour:** Blue  
**Solubility in water:** Complete **Odour threshold:** 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 on skin and in eyes.  
**Exposure Limits:** LD<sub>50</sub> (Calculated) 3150 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**

**Ecotoxicity:** The surfactants contained in this product comply with the biodegradability criteria as laid down in 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.

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## 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).

**HMIS CLASSIFICATION:** Class D, 2b 

**Danger symbol:** Xi, irritant



**Risk phrases: 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 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.

R-Sentences of ingredients in paragraph II:

**20/21/22** Harmful by inhalation, in contact with skin and if swallowed.

**34** Causes burns.

**36/37** Irritating to eyes and respiratory system.

**37** Irritating to respiratory system.

**Replaces: M.S.D. dated:** March 9, 2004

**Version:** 8

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