

**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** DG-2003**DATE:** November 1, 2007**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**

<b>Chemical Identity:</b>	<b>EINECS #</b>	<b>CAS #</b>	<b>% Conc.</b>	<b>Toxicity</b>
(R)-p-mentha-1-8-diene	227-813-5	5989-27-5	1 - 5	Xi, N; R10 38 43 50/53
Alcohol C14-15 ethoxylated	polymer	68951-67-7	10 - 30	Xn, N; R22, 41, 50
1-Methoxy-2-propanol	203-539-1	107-98-2	5 - 10	R10

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

Nonionic surfactants	5 - 15%
Anionic surfactants	5 - 15%
EDTA	<5%
Soap	<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.)

# MATERIAL SAFETY DATA SHEET

Page No. 2 of 3

**Flammable limits (% in air):** LOWER: Not applicable. UPPER: Not applicable.  
**Auto-Ignition temp.:** Not applicable.  
**Physical State:** Liquid  
**Coefficient of n-octanol/water distribution:** Not determined.  
**Odour:** Citrus  
**Specific Gravity:** 0.99 - 1.01  
**Vapour Pressure:** Not determined.  
**Evaporation Rate:** Not determined.  
**Solubility in water:** Complete

**Vapour density:** Not determined.  
**Boiling Point:** 98 - 100°C  
**Freezing Point:** -2°C  
**pH:** 10.5  
**Colour:** Orange  
**Odour threshold:** Not determined.

## 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 or in eyes.  
**Exposure Limits:** LD<sub>50</sub> (Calculated) 10,000 mg/kg  
**Effect of acute and chronic exposure to product:** Irritating to skin and eyes.  
**Irritating:** Yes  
**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:** 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.

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

# MATERIAL SAFETY DATA SHEET

Page No. 3 of 3

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, 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:

10 Flammable

22 Harmful if swallowed.

38 Irritating to skin.

41 Risk of serious damage to eyes.

43 May cause sensitization by skin contact.

50 Very toxic to aquatic organisms.

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

**Replaces: M.S.D. dated:** November 1, 2004

**Version:** 8

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