

**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** DX-85**DATE:** March 10, 2007**SUPPLIER:**

Melrose Chemicals Ltd.  
2323-46th ave.  
Lachine, QC  
CANADA H8T 3C9  
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**PRODUCT USE:** Deodoriser**II. COMPOSITION/ INFORMATION ON INGREDIENTS**

<b>Chemical Identity:</b>	<b>EINECS #</b>	<b>CAS #</b>	<b>% Conc.</b>	<b>Toxicity</b>
Pentyl Acetate	211-047-3	628-63-7	10 - 30	R10, 66
Propan-2-ol	200-661-7	67-63-0	10 - 30	F, Xi; R11, 36, 67
1,2-Dichlorobenzene	202-425-9	95-50-1	10 - 30	Xn, N; R22 36/37/38 50/53

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

Non-ionic surfactants	5 - 15%
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**III. HAZARDS IDENTIFICATION****Hazard classification of product according to Directive 1999/45/EC:** Xi, irritant, N, F.**Hazards for humans:** Irritating to eyes and skin. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.**Hazards for environment:** May cause long-term effects in the aquatic environment.**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:** Requires source of ignition, presence of air, and a temperature greater than the flash point.**Means of extinction:** Use carbon dioxide, water fog, alcohol foam, dry chemical (preferred).**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:** 36°C (C.O.C.)**Flammable limits (% in air):** LOWER: 2%                      UPPER: 12%**Auto-ignition temp.:** Not applicable.

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**Physical State:** Liquid  
**Coefficient of n-octanol/water distribution:** Not determined.  
**Odour:** Characteristic  
**Specific Gravity:** 0.92  
**Vapour Pressure:** Not determined.  
**Evaporation Rate:** Not determined.  
**Solubility in water:** Dispersable.

**Vapour density:** Not determined.  
**Boiling Point:** 65 - 110°C  
**Freezing Point:** 0°C  
**pH:** 9.5 - 10.5  
**Colour:** Yellow  
**Odour threshold:** 50 ppm

## 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.  
**Exposure Limits:** LD<sub>50</sub> (Calculated) 6800 mg/kg  
**Effect of acute and chronic exposure to product:** Irritating to skin, eyes and mucous membranes.  
**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 29 (detergents containing dangerous substances for municipal or industrial waste collection).  
**For the packaging:** EC disposal code №:  
15 01 10 (packaging containing residues of or contaminated by dangerous substances).

## XIV. TRANSPORT INFORMATION

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

**ADR/RID Class:** 3 F1  
**Hazard Identification Number:** 30  
**UN Number:** 1993  
**Packing group:** III  
**Label:** 3  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Isopropyl Alcohol)

### TRANSPORT BY SEA IMDG:

**IMDG Class:** 3  
**UN Number:** 1993  
**Packing group:** III  
**EMS Number:** F-E, S-E  
**Label:** 3  
**Marine pollutant:** No  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Isopropyl Alcohol)

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

**ICAO/IATA Class:** 3  
**UN Number:** 1993



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**Packing group:** III  
**Label:** 3  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Isopropyl Alcohol)

## 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 B-3; Class D-2b  

**Danger symbol:** Xi, Irritant; N, Dangerous for the environment ; F, Highly flammable



**Risk phrases:** 10 Flammable.

**36/37/38** Irritating to eyes, respiratory system and skin.

**51/53** Toxic to aquatic organisms and may cause long-term effects in the aquatic environment.

**66** Repeated exposure may cause skin dryness or cracking.

**67** Vapours may cause drowsiness and dizziness.

**Safety phrases:** 16 Keep away from sources of ignition - No smoking

**23** Do not breathe vapours.

**24/25** Avoid contact with skin and eyes.

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

**60** This material and/or container must be disposed of as hazardous waste.

## 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/EC.

R-Sentences of ingredients in paragraph II:

**10** Flammable.

**11** Highly flammable.

**36** Irritating to eyes.

**36/37/38** Irritating to eyes, respiratory system and skin.

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

**66** Repeated exposure may cause skin dryness or cracking.

**67** Vapours may cause drowsiness and dizziness.

**Replaces: M.S.D. dated:** March 10, 2004

**Version:** 8

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