

**MATERIAL SAFETY DATA SHEET**  
According to 1907/2006/EC, Article 31, Annex II. (REACH)

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**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** DEO 2240

**DATE:** September 30, 2011

**SUPPLIER:** Melrose Chemicals Ltd.  
2323-46th ave.  
Lachine, QC  
CANADA H8T 3C9  
Tel: +1 (514) 631-2998  
Fax: +1 (514) 631-2997  
E-mail: [prodsafe@melrosechem.com](mailto:prodsafe@melrosechem.com)

**PRODUCT USE:** Aircraft lavatory deodorant

**II. 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.

**III. COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Identity:	Index #	EINECS #	CAS #	% Conc.	Toxicity
Quaternary ammonium compounds		270-325-2	68424-85-1	7 - 13	
C14-15 Pareth-7		polymer	68951-67-7	7 - 13	Xn, N; R22, 41, 50
<b>Ingredients according to Directive 2004/648/EC</b>					
Cationic surfactants	5 - 15%				
Nonionic surfactants	5 - 15%				
Perfumes	<5%				

**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:** Nitril 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:** Pleasant  
**Specific Gravity:** 0.99 - 1.01  
**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:** 6.5 - 9.5  
**Colour:** Blue  
**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 on skin or eyes.  
**Exposure Limits:** LD<sub>50</sub> (Calculated) 8000 mg/kg  
**Effect of acute and chronic exposure to product:** Irritating to skin and 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:

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

#### TRANSPORT BY SEA IMDG:

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

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**XV. REGULATORY INFORMATION**

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**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:** 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.

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**XVI. OTHER INFORMATION**

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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 1907/2006 (REACH) and local legislation.

R-Sentences of ingredients in paragraph III:

**22** Harmful if swallowed.

**41** Risk of serious damage to eyes.

**50** Very toxic to aquatic organisms.

**Replaces: M.S.D. dated:** September 30, 2008

**Version:** 9

**Changes to the MSDS in this revision: sections 1, 3, 8, 16**

Français

Bahasa Malayu

Español

Nederlands

Bahasa Indonesia

Deutsch