

**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: DEAMY**

**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:** Disinfectant

**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, di-C8-10-alkyldimethyl, chlorides		270-331-5	68424-95-3	10 - 30	
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides		270-325-2	68424-85-1	7 - 13	
Alcohols, C12-15, ethoxylated Tetrasodium		500-195-7	68131-39-5	5 - 10	
ethylene diamine tetraacetate	607-428-00-2	200-573-9	64-02-8	1 - 5	Xn; R22, 41
Disodium metasilicate	014-010-00-8	229-912-9	6834-92-0	1 - 5	C; R34, 37
Ethanol	603-002-00-5	200-578-6	64-17-5	1 - 5	F; R11
<b>Ingredients according to Directive 2004/648/EC</b>					
Nonionic surfactants	5 - 15%				
Cationic surfactants	5 - 15%				
EDTA	<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.

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**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.)  
**Flammable limits (% in air): LOWER:** Not applicable. **UPPER:** Not applicable.  
**Auto-Ignition temp.:** Not applicable.  
**Physical State:** Liquid **Vapour density:** Data not available.  
**Coefficient of n-octanol/water distribution:** Data not available.  
**Odour:** Mild almond like odour **Boiling Point:** 100°C  
**Specific Gravity:** 1.01 **Freezing Point:** -2°C  
**Vapour Pressure:** Data not available. **pH:** 10.8 (1 to 256 dilution)  
**Evaporation Rate:** Data not available. **Colour:** Slight yellow  
**Solubility in water:** Complete **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.

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**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:**

**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, 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.

**45** In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**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 1907/2006 (REACH) and local legislation.

R-Sentences of ingredients in paragraph III:

**11** Highly flammable.

**22** Harmful if swallowed.

**34** Causes burns.

**37** Irritating to respiratory system.

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

**Replaces: M.S.D. dated:** November 6, 2008

**Version:** 9

**Changes to the MSDS in this revision: sections 1, 2, 3, 16**

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