

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**PRODUCT NAME: DO-79****DATE: March 10, 2010****SUPPLIER:**

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PRODUCT USE: Deodoriser**II. HAZARDS IDENTIFICATION****Hazard classification of product according to Directive 1999/45/EC:** Xi, irritant, N.**Hazards for humans:** Irritating to eyes and skin. May cause sensitization by skin contact.**Hazards for environment:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**III. COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Identity:	Index #	EINECS #	CAS #	% Conc.	Toxicity
(R)-p-mentha-1-8-diene	601-029-00-7	227-813-5	5989-27-5	7 - 13	Xi, N;R10 36/38 43 50/53
Methyl Salicylate		204-317-7	119-36-8	3 - 7	

Ingredients according to Directive 2004/648/EC

Non-ionic surfactants 5 - 15%

Perfumes 5 - 15%

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:** 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:** Nitril 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:** 80°C (C.O.C.)**Flammable limits (% in air): LOWER:** 2%**UPPER:** 12%

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Auto-Ignition temp.: Not applicable.

Physical State: Liquid

Coefficient of n-octanol/water distribution: Not determined.

Odour: Citrus

Specific Gravity: 0.88

Vapour Pressure: Not determined.

Evaporation Rate: Not determined.

Solubility in water: Complete

Vapour density: Not determined.

Boiling Point: 80 -125°C

Freezing Point: 0°C

pH: 7.2 - 8.6

Colour: Orange/brown

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 or in eyes.

Exposure Limits: LD₅₀ (Calculated) 8000 mg/kg

Effect of acute and chronic exposure to product: Irritating to eyes and skin.

Irritating: No

Sensitisation to product: Yes

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 29 (detergents containing dangerous substances 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:

ICAO/IATA Class: Not applicable.

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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; N, dangerous for the environment



Risk phrases: 22 Harmful if swallowed.

36/38 Irritating to eyes and skin.

43 May cause sensitization by skin contact.

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

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*.

This Material Safety Data Sheet is in conformation with Directive 1907/2006 (REACH) and local legislation.

R-Sentences of ingredients in paragraph III:

10 Flammable.

36/38 Irritating to eyes and skin.

43 May cause sensitization by skin contact.

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

Replaces: M.S.D. dated: March 10, 2007

Version: 9

Changes to the MSDS in this revision: sections 1, 2, 3, 8, 15, 16

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