

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **ENVIRONET ORANGE-SOLV**

Product Use: Multi purpose cleaner and degreaser
WHMIS Class: D2B, E

TDG Classification: CORROSIVE LIQUID BASIC, INORGANIC, N.O.S. (DISODIUM TRIOXOSILICATE)

TDG Classification: Class 8

UN Number: UN 3266, group III

Manufactured by:

Chemotec (PM) Inc.

8820 Place Ray Lawson

Anjou, Québec, Canada H1J 1Z2

Telephone: (514) 729-6321; 1-800-729-6321

Emergency Phone: as above or call **CANUTEC** (613) 996-6666 in case of **chemical emergency only**.

SECTION 2: HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>Wt %</u>	<u>TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Ethoxylated alcohol	68131-39-5	1 - 5	n/a	n/a	2000 mg/kg (oral, rat)
Sodium dodecylbenzene sulfonate	25155-30-0	1 - 5	n/a	n/a	1300 mg/kg (oral, rat)
d-Limonene	5989-27-5	1 - 5	n/a	n/a	4400 mg/kg (oral, rat)
Sodium silicate	6834-92-0	1 - 5	n/a	n/a	622 mg/kg (oral, rat)

SECTION 3: PHYSICAL DATA

Boiling Point (°C): approx. 100
Vapor Pressure (mm Hg): 20 (water)
Vapor Density (Air = 1): 0.6 (water)
Solubility in Water: Complete
Physical State: Liquid
Appearance and Odor: Orange liquid with citrus scent.

Specific Gravity (H₂O = 1): 1.02 at 20 °C
% Volatile (Wt %): 90 - 95
Evaporation Rate (nBuAC = 1): 0.4 (water)
pH (as supplied): 12-13
Viscosity: approx. 1cps at 25 °C
Odor Threshold (ppm): n/a

SECTION 4: FIRE AND EXPLOSION DATA

Flammability: Not flammable, not combustible.

Flash Point (TCC, °C): > 93.3 LEL: Not applicable. UEL: Not applicable

Hazardous Combustion Products: Smoke, carbon oxides.

Autoignition Temperature (°C): Not applicable.

Means of Extinction: Water, foam, dry chemicals, carbon dioxide.

Special Fire Hazards: A stream of water directed into the product generates a lot of foam.

SECTION 5: REACTIVITY DATA

Conditions for Chemical Instability: This product is stable under normal conditions. It does not polymerize.

Incompatible Materials: Strong concentrated acids, strong oxidizing agents.

Reactivity and Under What Conditions: Contact with acids produce carbonic gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc. Carbon monoxide gas may be produced on contact with reducing sugars.

Hazardous Decomposition Products: See under Reactivity, and Under What Conditions

SECTION 6: TOXICOLOGICAL PROPERTIES

Route of Entry: Eyes, skin, ingestion, inhalation.

EFFECTS OF ACUTE EXPOSURE:

Eye: Irritant, burns.

Skin: Irritant. Prolonged contact with the product may irritate skin. Burns. Defatting.

Ingestion: May be harmful if ingested.

Inhalation: Prolonged inhalation of vapors may irritate upper respiratory tract.

EFFECTS OF CHRONIC EXPOSURE:

Irritancy: Prolonged or repeated contacts with skin may cause irritation: skin dryness, redness, edema.

Skin Sensitization: Unknown.

Carcinogenicity: No ingredients are known to be carcinogenic.

Teratogenicity: No ingredients are known to be teratogenic.

Mutagenicity: No ingredients are known to be mutagenic.

Synergistic Materials: None known.

SECTION 7: PREVENTATIVE MEASURES

Gloves: Plastic or rubber gloves recommended.

Eye Protection: Safety goggles to manipulate large quantities.

Respiratory Protection: Not required under normal applications.

Other Protective Equipment: Waterproof boots for prolonged contact with spills.

Engineering Controls: Provide adequate ventilation.

Other Controls: No applicable information found.

Leak and Spill Procedure: Wear personal protective equipment. Stop the leak. Pump the product into drums or clean up spills using absorbent material and place in container. Resume cleaning by rinsing with water.

Waste Disposal: Dispose according to existing federal, provincial and municipal regulations.

Storage Requirements: Keep in original tightly sealed containers, in a well ventilated room. Keep from freezing.

SECTION 8: FIRST AID

Eye: Immediately rinse with plenty of water for 15 minutes, keeping eyelids open. Seek medical attention immediately.

Skin: Rinse with potable water for 15 minutes. Remove soiled clothes and wash before wearing. Seek medical attention should an irritation develop.

Inhalation: Bring the person to fresh air. Seek medical attention if discomfort persists.

Ingestion: Give plenty of water. Never administer anything by mouth if the person is unconscious. Do not induce vomiting. Seek immediate medical attention.

SECTION 9: PREPARATION INFORMATION

Date: 2011-09-22

Phone: (514) 729-6321

Prepared by:

Chemotec (PM) Inc.

Abbreviation :

n/a : not available

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Center for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal (514-873-3990).