

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION

**Product Name:** SUPER LIFT-OFF

**Product Use:** Stripper

**WHMIS Class:** Class D - Division 2B  
Class E - Corrosive Material  
Class B - Division 3: Combustible Liquid

**TDG Classification:** FLAMMABLE LIQUID, CORROSIVE, N.O.S.  
(Isopropanol); Class 3(8); UN2924; PG II

**Manufacturer/Supplier:** Kemsol Products Ltd.

**Address:** PO Box 1577  
Regina, SK S4P 3C4

**Telephone:** (306) 569-0636

HEALTH	3
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	B

## SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>	<u>LC<sub>50</sub></u>	<u>LD<sub>50</sub></u>
2-Aminoethanol	141-43-5	5 - 10	3 ppm TWA	Not available	1720 mg/kg oral, rat
Isopropanol	67-63-0	1 - 5	400 ppm TWA	16971 ppm 4 h, rat	4710 mg/kg oral, rat
2-Butoxyethanol	111-76-2	10 - 30	20 ppm Skin	450 ppm 4 h, rat	470 mg/kg oral, rat
EDTA, tetrasodium salt	64-02-8	0.5 - 1.5	10 mg/m <sup>3</sup> TWA	Not available	3030 mg/kg oral, rat

## SECTION III - PHYSICAL DATA

**Boiling Point (°C):** 94

**Vapour Pressure (mm Hg):** Not available

**Vapour Density (Air = 1):** Not available

**Solubility in Water:** Complete

**Physical State:** Liquid

**Appearance; Odour:** Clear colourless; characteristic

**Specific Gravity (H<sub>2</sub>O = 1):** 1.01

**% Volatile (Wt %):** 98

**Evaporation Rate (Ether = 1):** Not available

**pH (100%):** 12.58

**Viscosity:** Water thin

**Odour Threshold (ppm):** Not available

## SECTION IV - FIRE AND EXPLOSION DATA

**Flammability:** Combustible liquid WHMIS criteria.

**Flash Point (°C, TCC):** ~51.7      **LEL:** Not applicable      **UEL:** Not applicable

**Hazardous Combustion Products:** May include and are not limited to oxides of carbon, oxides of nitrogen, ammonia.

**Autoignition Temperature (°C):** Not applicable

**Means of Extinction:** Dry chemical, foam, alcohol foam, carbon dioxide.

**Special Fire Hazards:** Firefighters should wear self-contained breathing apparatus.

## SECTION V - REACTIVITY DATA

**Conditions for Chemical Instability:** Stable.

**Incompatible Materials:** Acids, oxidizers.

**Reactivity, and Under What Conditions:** Not available.

**Hazardous Decomposition Products:** May include and are not limited to oxides of carbon, oxides of nitrogen, ammonia when heated to decomposition.

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**SECTION VI - TOXICOLOGICAL PROPERTIES**

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**Route of Entry:** Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

**EFFECTS OF ACUTE EXPOSURE:**

**Eye:** Causes chemical burns. May cause blindness.

**Skin:** Causes chemical burns. May be absorbed through the skin.

**Inhalation:** May cause respiratory tract irritation.

**Ingestion:** Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

**EFFECTS OF CHRONIC EXPOSURE:**

**Skin:** Based on published data, 2-Butoxyethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged; may cause blood damage; these effects have not been observed in humans. 2-aminoethanol may cause liver and kidney damage; these effects have not been observed in humans.

**Irritancy:** Corrosive by WHMIS criteria.

**Respiratory Tract Sensitization:** No data available.

**Carcinogenicity:** Non-hazardous by WHMIS criteria.

**Teratogenicity, Mutagenicity, Reproductive Effects:** No data available.

**Synergistic Materials:** Not available.

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**SECTION VII- PREVENTATIVE MEASURES**

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**Gloves:** Rubber gloves. Confirm with a reputable supplier first.

**Eye Protection:** Chemical splash goggles.

**Respiratory Protection:** Not normally required if good ventilation is maintained and exposure guidelines are not exceeded.

**Other Protective Equipment:** As required by employer code.

**Engineering Controls:** General ventilation normally adequate.

**Leak and Spill Procedure:** Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Remove sources of ignition.

**Waste Disposal:** Review federal, provincial, and local government requirements prior to disposal.

**Storage and Handling Requirements:** Keep out of reach of children. Store in a closed container away from incompatible materials. Keep away from heat, open flames or other sources of ignition.

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**SECTION VIII - FIRST AID**

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**Eye:** Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

**Skin:** Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Obtain medical attention if irritation persists.

**Inhalation:** Move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion:** Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

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**SECTION IX - PREPARATION INFORMATION**

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**Date:** 06/01/09  
**Telephone:** (306) 569-0636

**MSDS Prepared by:** Kemsol Products Ltd.

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**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 Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-905-572-4400) or CSST in Montreal, Quebec (514-873-3990).