

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION

**Product Name:** INDO 400

**Product Use:** Cleaner

**WHMIS Class:** Class D2B  
Class E - Corrosive Material

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

**TDG Classification:** Corrosive liquid, basic, inorganic, n.o.s. (Sodium metasilicate); Class 8; UN3266; PG III

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

**Address:** PO Box 1577  
Regina, SK

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

## 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>
Sodium metasilicate	6834-92-0	1 - 5	10 mg/m <sup>3</sup> TWA	Not available	800 mg/kg oral, rat
Sodium carbonate	497-19-8	0.5 - 1.5	10 mg/m <sup>3</sup> TWA	1150 mg/m <sup>3</sup> 4 h, rat	4200 mg/kg oral, rat
Alcohol C-10 ethoxylated	26183-52-8	1 - 5	Not available	Not available	
d-Limonene	5989-27-5	1 - 5	Not available	13.3 mg/L 4 h, rat	4400 mg/kg oral, rat
Ethylenediaminetetraacetic acid, 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):** 98

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

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

**Solubility in Water:** Complete

**Physical State:** Liquid

**Appearance; Odour:** Clear amber; citrus

**Specific Gravity (H<sub>2</sub>O = 1):** 1.04

**% Volatile (Wt %, 1 h @ 105°C):** 89.8

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

**pH (100%):** 12.73

**Viscosity:** Water thin

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

## SECTION IV - FIRE AND EXPLOSION DATA

**Flammability:** Not flammable by WHMIS criteria.

**Flash Point (°C, TCC):** None      **LEL:** Not applicable      **UEL:** Not applicable

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

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

**Means of Extinction:** Treat for surrounding material.

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

## SECTION V - REACTIVITY DATA

**Conditions for Chemical Instability:** Stable.

**Incompatible Materials:** Oxidizers, acids.

**Reactivity, and Under What Conditions:** Reacts vigorously with acids.

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

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**SECTION VI - TOXICOLOGICAL PROPERTIES**

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

**EFFECTS OF ACUTE EXPOSURE:**

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

**Skin:** May cause chemical burns. Harmful contact may not cause immediate pain. Contains a potential skin sensitizer (d-Limonene).

**Inhalation:** May cause respiratory tract irritation or chemical burns.

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

**EFFECTS OF CHRONIC EXPOSURE:**

**Skin:** Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

**Irritancy:** Hazardous 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.

**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.

**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.

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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:** If symptoms develop, 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

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

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

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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).