



## Safety Data Sheet

# Kemsol Indo 410

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Kemsol Indo 410
<b>Recommended Use</b>	General Cleaner.
<b>Manufacturer/Supplier Identifier</b>	Kemsol Product Ltd., 1120 McDonald St., Regina, SK, S4N 4X3, 306-569-0636, www.kemsol.com
<b>Emergency Phone No.</b>	Canutec, (613) 996-6666, Collect calls accepted or dial 666 on your cellular
<b>SDS No.</b>	1

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

#### Classification

Flammable liquid - Category 3; Acute toxicity (Oral) - Category 5; Skin irritation - Category 2; Eye irritation - Category 2B; Skin sensitization - Category 1B

#### Label Elements



#### Warning

Flammable liquid and vapour.

Causes skin and eye irritation.

May cause an allergic skin reaction.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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Call a POISON CENTRE or doctor if you feel unwell.

Dispose of contents and container in accordance with local, regional, national and international regulations.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
d-Limonene	5989-27-5	10-30	
Poly(oxy-1,2-ethanediyl), alpha-decyl-omega-hydroxy-	26183-52-8	5-10	
COCONUT DIETHANOLAMIDE	68603-42-9	1-5	
Diethanolamine	111-42-2	1-5	

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing.

##### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes.

##### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### Ingestion

Rinse mouth with water. Drink 1 or 2 glasses of water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

##### First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

#### Most Important Symptoms and Effects, Acute and Delayed

Review Section 11 (Toxicological) of this Safety Data Sheet.

#### Immediate Medical Attention and Special Treatment

##### Special Instructions

Treat Symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

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## **Extinguishing Media**

### **Suitable Extinguishing Media**

Carbon dioxide, dry chemical powder or appropriate foam.

## **Specific Hazards Arising from the Product**

See Section 9 (Physical and Chemical Properties) for flash point and explosive limits.

## **Special Protective Equipment and Precautions for Fire-fighters**

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### **Environmental Precautions**

Do not allow into any sewer, on the ground or into any waterway.

### **Methods and Materials for Containment and Cleaning Up**

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: dike spilled product to prevent runoff. Review Section 13 (Disposal Considerations) of this safety data sheet.

### **Other Information**

Report spills to local health, safety and environmental authorities, as required.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Prevent accidental contact with incompatible chemicals. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment to avoid direct contact with this chemical. Keep containers tightly closed when not in use or empty.

### **Conditions for Safe Storage**

Separate from incompatible materials (see Section 10: Stability and Reactivity). Store in the original, labelled, shipping container. Comply with all applicable health and safety regulations, fire and building codes.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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## Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
d-Limonene	Not established				30 ppm	
Poly(oxy-1,2-ethanediyl), alpha-decyl-omega-hydroxy-	Not established		Not established			
COCONUT DIETHANOLAMIDE	Not established		Not established			
Diethanolamine	1 mg/m3 A3		3 ppm			

### Appropriate Engineering Controls

General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

Wear a NIOSH approved particulate respirator equipped with an N95, R95, or P95 filter.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Amber liquid.
Odour	Citrus
Odour Threshold	Not available
pH	8.5
Initial Boiling Point/Range	95.5 °C
Flash Point	54.5 °C (closed cup)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or Explosive Limit	6.1% (upper); 0.7% (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available

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**Relative Density (water = 1)** 0.994  
**Solubility** Soluble in water  
**Other Information**  
**Physical State** Liquid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Freezing. Incompatible materials.

### Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid).

## SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

### Likely Routes of Exposure

Inhalation; skin contact; skin absorption; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
d-Limonene		4400 mg/kg (rat)	
Poly(oxy-1,2-ethanediyl), alpha-decyl-omega-hydroxy-	Not available	Not available	
Diethanolamine	Not available	680 mg/kg (female rat)	

### Skin Corrosion/Irritation

Human experience shows mild irritation.

### Serious Eye Damage/Irritation

Human experience shows mild irritation.

### STOT (Specific Target Organ Toxicity) - Single Exposure

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**Inhalation**

Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest.

**Skin Absorption**

Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Ingestion**

Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above.

**Respiratory and/or Skin Sensitization**

Sensitization may occur following exposure to the liquid or vapour. (d-Limonene)

**Carcinogenicity**

Chemical Name	IARC	ACGIH®	NTP	OSHA
d-Limonene	Group 3	Not designated	Not Listed	Not Listed
Poly(oxy-1,2-ethanediyl), alpha-decyl-omega-hydroxy-	Not Listed	Not designated	Not Listed	Not Listed
COCONUT DIETHANOLAMIDE	Group 2B	Not designated	Not Listed	Not Listed
Diethanolamine	Group 2B	A3	Not Listed	Not Listed

(d-Limonene) Group 3 – Not classifiable as to its carcinogenicity to humans. (COCONUT DIETHANOLAMIDE) Group 2B – Possibly carcinogenic to humans. (Diethanolamine) Group 2B – Possibly carcinogenic to humans. A3 – Confirmed animal carcinogen.

No information was located for: Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

**SECTION 12. ECOLOGICAL INFORMATION**

Environmental information was not located.

**Ecotoxicity**

No data is available on the product itself. It is good practice to prevent releases into the environment.

**Persistence and Degradability**

No information was located.

**Bioaccumulative Potential**

No information was located.

**Mobility in Soil**

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No information was located.

**Other Adverse Effects**

There is no information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

**Safety, Health and Environmental Regulations**

**Canada**

**WHMIS 1988 Classification**

B3 - Combustible Liquid; D2B - Toxic (Skin irritant; Eye irritant; Skin sensitization)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL/NDSL.

**CEPA - National Pollutant Release Inventory (NPRI)**

(d-Limonene) Part 5. (Diethanolamine) Part 1A.

**USA**

**Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

<b>NFPA Rating</b>	<b>Health - 2</b>	<b>Flammability - 2</b>	<b>Instability - 0</b>
<b>SDS Prepared By</b>	Kemsol Products Ltd.		
<b>Phone No.</b>	1-800-667-8113		

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**Key to Abbreviations** ACGIH® = American Conference of Governmental Industrial Hygienists  
AIHA® = AIHA® Guideline Foundation. HSDB® = Hazardous Substances Data Bank  
IARC = International Agency for Research on Cancer  
NFPA = National Fire Prevention Association  
NIOSH = National Institute for Occupational Safety and Health  
NTP = National Toxicology Program  
OSHA = US Occupational Safety and Health Administration  
RTECS® = Registry of Toxic Effects of Chemical Substances

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).

**Disclaimer** Information for this SDS was obtained from sources considered technically accurate and reliable. While every effort has been made to insure 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 GHS/WHMIS 2015. 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.

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