

INDO 401

SECTION 1. IDENTIFICATION

Product Identifier INDO 401
Product Family INDO
Recommended Use Solvent cleaner.
Manufacturer W.E. Greer Ltd., 14704 - 119 Avenue, Edmonton, AB, T5L 2P1, 780-451-1516,
www.wegreer.com
Emergency Phone No. CANUTEC, 1-888-226-8832, You can call *666 on your cellular phone

SECTION 2. HAZARD IDENTIFICATION

Classification

Flammable liquid - Category 3; Acute toxicity (Oral) - Category 5; Acute toxicity (Dermal) - Category 5; Skin corrosion - Category 1; Serious eye damage - Category 1; Skin sensitization - Category 1

Label Elements



Signal Word:
Danger

Flammable liquid and vapour.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May be harmful if swallowed or if inhaled.

Precautionary Statement(s):

Prevention:

Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid breathing mist.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTRE or doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTRE or doctor.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor.

Storage:

Store locked up.

Disposal:

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
d-Limonene	5989-27-5	89	
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega -hydroxy-, phosphate	51811-79-1	3.6 - 4	
Alcohols, C12-16, ethoxylated, liquids	68551-12-2	1.2 - 2	
N,N-DIMETHYL-N-DODECYLAMINE OXIDE	1643-20-5	0.5 - 1.7	
Phosphoric acid solutions	7664-38-2	0.4 - 0.6	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Call a Poison Centre or doctor if you feel unwell.

Skin Contact

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

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. Immediately call a Poison Centre or doctor.

Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam.

Specific Hazards Arising from the Product

Can ignite if strongly heated.

May include but is not limited to: corrosive, oxidizing nitrogen oxides; very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. 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: contact emergency services and manufacturer/supplier for advice. Do NOT use combustible materials such as sawdust.

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SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Wash hands thoroughly after handling this material. Only use where there is adequate ventilation. Keep containers tightly closed when not in use or empty. Avoid generating vapours or mists. Avoid repeated or prolonged skin contact.

Conditions for Safe Storage

Store in an area that is: cool, out of direct sunlight and away from heat and ignition sources.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Phosphoric acid solutions	1 mg/m ³	3 mg/m ³	1 mg/m ³			
Alcohols, C12-16, ethoxylated, liquids	Not established		Not established			

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

Where exposure guidelines may be exceeded: wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Orange liquid.
Odour	Citrus
pH	1.8 - 2.8
Flash Point	51.0 °C (123.8 °F)
Vapour Density (air = 1)	> 1
Relative Density (water = 1)	0.864 - 0.850
Solubility	Dispersible in water
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Reacts vigorously with alkaline material. May react with reducing agents.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use. Reacts in the presence of alkaline conditions (high pH).

Conditions to Avoid

High temperatures. Incompatible materials.

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Incompatible Materials

Oxidizing agents (e.g. peroxides), strong oxidizing agents (e.g. perchloric acid), strong bases (e.g. sodium hydroxide), strong reducing agents (e.g. hydrides).

Hazardous Decomposition Products

May include but not limited to: corrosive, oxidizing nitrogen oxides; very toxic carbon monoxide, carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
N, N-DIMETHYL-N- DODECYLAMINE OXIDE		> 20000 mg/kg (rat)	
Phosphoric acid solutions	> 213 mg/m ³ (rat) (4-hour exposure)	3500 mg/kg (rat)	> 1260 mg/kg (rabbit)
d-Limonene		5000 mg/kg (male rat)	5000 mg/kg (rabbit)

Skin Corrosion/Irritation

Corrosive based on information for closely related materials.

Serious Eye Damage/Irritation

May irritate or burn the eyes. Permanent damage including blindness may result.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause severe nose and throat irritation, severe lung injury.

Ingestion

Harmful May cause severe irritation or burns to the mouth, throat and stomach.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
d-Limonene	Group 3			

IARC: Group 3 – Not classifiable as to its carcinogenicity to humans. (d-Limonene)

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1993	Flammable Liquid, Corrosive (d-Limonene)	8	III

Special Precautions Not applicable

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

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Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

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

All ingredients are listed on the DSL/NDSL.

CEPA - National Pollutant Release Inventory (NPRI)

Part 5. (d-Limonene) Part 1B. (Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)- omega -hydroxy-, phosphate)

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 3** **Flammability - 2** **Instability - 0**

SDS Prepared By W.E. Greer Ltd.

Phone No. 780-451-1516

Date of Preparation January 25, 2017

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