



Material Safety Data Sheet

Flexo Products Limited 4777 Kent Avenue, Niagara Falls, ON L2H 1J5
Phone: (905) 354-2723 Fax: (905) 354-1301 Web Site: www.flexoproducts.com

I – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Indo 400

Use: Biodegradable Citrus Cleaner

Code: FI400 D, P, J

Date of MSDS: December 1, 2014

WHMIS: D2B

HMIS:	Health	2
	Flammability	0
	Reactivity	0
	PPE	B

TDG CLASSIFICATION: Not regulated

Emergency Telephone # CANUTEC 613-996-6666

2 – HAZARD IDENTIFICATION

Irritancy of Product: medium to high

Physical State: liquid

EMERGENCY: CAUTION! MAY CAUSE EYE AND SKIN IRRITATION.

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Route(s) of Entry: eye, skin, inhalation, ingestion

Acute Effects

Eye: may cause irritation

Skin: may cause irritation

Inhalation: may cause nose, throat, respiratory tract irritation & coughing

Ingestion: may cause vomiting, headache & medical problems

See Toxicological information (Section 11 and 3)

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Wt/Wt %	CAS #	LD50 (mg/kg)	LC50
Tetrasodium Ethylene Diamine Tetraacetate	1-5	64-02-8	3030 oral rat	not available
Sodium Carbonate	1-5	497-19-8	2800 oral rat	400 mg/m ³ Guinea Pig
Alcohol Ethoxylate Blend	1-5	68131-39-5	>1800 oral rat	not available

4 - FIRST AID MEASURES

Eye Contact: Flush with water for 15 minutes. Contact a physician.

Skin Contact: Good hygiene practices apply. Wash with soap and water after use.

Inhalation: Remove to fresh air. If symptoms persist, contact a physician.

Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Contact a physician immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

5 - FIRE FIGHTING MEASURES

Conditions of Flammability: not combustible

UFL: not available

LFL: not available

Flash Point and Test Method: not applicable

Sensitivity to Static Discharge or Mechanical Impact: not available

Auto-Ignition Temperature: not available

Hazardous Combustion Products: oxides of carbon

Means of Extinction: treat for surrounding material & fire, CO₂, dry chemical, water fog

6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use suitable protective equipment (Section 8). Keep out of reach of children.

Environmental Precautions: Keep container in a cool, well-ventilated area. Keep container tightly closed. Do not allow to enter drains or watercourses.

Methods for Cleaning Up: For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place split material in an appropriate container for disposal.



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7 – HANDLING & STORAGE

Storage Requirements: Keep out reach of children. Keep container in a cool, well-ventilated area.
Keep container tightly closed.

8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal Protective Equipment:

Eyes: Eye protection is recommended.
Hands: For prolonged or repeated handling, use impervious gloves.
Skin: For prolonged or repeated handling, use impervious gloves.
Respiratory: A respirator is not needed under normal and intended conditions of product use.

Ventilation: general ventilation normally adequate

9 - PHYSICAL & CHEMICAL PROPERTIES

Physical State: liquid	Viscosity: water thin	Vapour Pressure: not available
Oil/Water Factor: not available	Appearance: clear orange	pH: 11.50-12.50
Vapour Density: not available	Evaporation Rate: similar	Odour: citrus
Specific Gravity: 1.0±0.04	Boiling Point (°C): >95	Freezing Point (°C): <0
Odour Threshold: not available		

10 – STABILITY & REACTIVITY

Conditions of Chemical Instability:	stable
Conditions of Reactivity:	avoid extreme hot and cold temperatures
Hazardous Decomposition Products:	not available
Incompatible Substances:	strong acids & alkalis, chlorinated products, disinfectants
Storage Requirements:	store in closed containers away from incompatible materials

11 – TOXICOLOGICAL INFORMATION

Synergistic Materials: not available	Route(s) of Entry: skin, eyes, ingestion, inhalation
Irritancy of Product: mild-moderate irritant	Sensitization: none known
Acute Effects	Chronic Effects
Eye: contact may cause irritation	Carcinogen: none known
Skin: may cause irritation	Teratogen: none known
Inhalation: may irritate the respiratory system	Mutagen: none known
Ingestion: can cause medical problems	Reproductive Toxin: none known
Prolonged or Repeated Exposure - Skin: can cause drying defatting and dermatitis	

12 – ECOLOGICAL INFORMATION

Biodegradability: considered biodegradable
BOD/COD Values: not available
Ecotoxicity: not available

13 – DISPOSAL CONSIDERATION

For Leaks or Spills: Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Waste Disposal: Review all Federal, Provincial & local regulations prior to disposal. Consult your local or regional authorities.

14 – TRANSPORT INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

UN Classification: Not regulated

15 – REGULATORY INFORMATION

WHMIS:	Class D2B: Material causing other toxic effects (Toxic)
Canada Inventory:	All components are listed or exempted.

16 – OTHER INFORMATION

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