



# 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](http://www.flexoproducts.com)

## I – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

### Lino Lift-Off 435

#### Use: Linoleum Stripper

Code: FH435

Date of MSDS: December 1, 2014

WHMIS: Class D2B & E – Corrosive Material

HMIS: Health 3 Flammability 0  
Reactivity 0 PPE B

TDG CLASSIFICATION: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
(monoethanolamine, diethylene glycol butyl ether)  
Class 8, PG III

**Emergency Telephone # CANUTEC 613-996-6666**

## 2 – HAZARD IDENTIFICATION

**Irritancy of Product:** corrosive

**Physical State:** liquid

**EMERGENCY:** DANGER. CORROSIVE. CONCENTRATE. CAUSES EYE AND SKIN BURNS.  
HARMFUL OR FATAL IF SWALLOWED.

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

#### Acute Effects

**Eye:** CORROSIVE. Causes permanent eye damage, including blindness.

**Skin:** CORROSIVE. May causes permanent damage.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract.

**Ingestion:** CORROSIVE. Causes burns to mouth, throat and stomach.

See Toxicological information (Section 11 and 3)

## 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Wt/Wt %	CAS #	LD50 (mg/kg)	LC50
Monoethanolamine	0.1-1.5	141-43-5	1720 Oral - Rat	not available
Diethylene Glycol Butyl Ether	10-20	112-34-5	4500 Oral - Rat	not available
2-Butoxyethanol	5-10	111-76-2	506 Dermal – Rat 406 Oral - Rat	450 ppm (rat)
Dowanol EPH Glycol Ether	5-10	122-99-6	1260 Oral – Rat	not available

## 4 - FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

Get medical attention immediately.

**Skin Contact:** Flush immediately with plenty of water for at least 15 minutes.

Get medical attention immediately.

**Inhalation:** If breathing is affected, remove to fresh air. Get medical attention immediately.

**Ingestion:** Do not induce vomiting. Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Aggravated Medical Conditions:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. may be more susceptible to irritating effects.

## 5 - FIRE FIGHTING MEASURES

**Conditions of Flammability:** not flammable

**UFL:** not applicable

**LFL:** not applicable

**Flash Point and Test Method:** >200°F >99.3°C

**Sensitivity to Static Discharge or Mechanical Impact:** not applicable

**Auto-Ignition Temperature:** not applicable

**Hazardous Combustion Products:** none known

**Means of Extinction:** treat for surrounding material & fire

**Special Protective Equipment for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6 – ACCIDENTAL RELEASE MEASURES

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

**Environmental Precautions and Clean-Up Methods:** Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.



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## 7 – HANDLING & STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage Requirements:** Protect from Freezing. Keep tightly closed in a dry, cool and well-ventilated place.  
KEEP OUT OF REACH OF CHILDREN.

## 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Measures:** Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment:**

<b>Eyes:</b>	Chemical splash goggles.
<b>Hands:</b>	Chemical-resistant gloves. Includes neoprene gloves.
<b>Skin:</b>	If major exposure is possible, wear suitable protective clothing & footwear.
<b>Respiratory:</b>	In case of insufficient ventilation, wear suitable respiratory equipment. A respiratory protection program that's meets OSHA's 29 CFR 1910.134 and ANSI Z288.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Ventilation:** general ventilation normally adequate

**Hygiene Measures:** Keep away from food, drink and animal feeding stuffs. Handle in accordance with good industrial hygiene and safety practice.

## 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Physical State:</b> liquid	<b>Viscosity:</b> not available	<b>pH:</b> 10.3
<b>Freezing Point (°C):</b> not available	<b>Oil/Water Factor:</b> not available	<b>Appearance:</b> white/light yellow aqueous solution
<b>Vapour Density:</b> not available	<b>Evaporation Rate:</b> not available	<b>Odour:</b> solvent
<b>Specific Gravity:</b> 1.03	<b>Boiling Point (°C):</b> not determined	<b>Odour Threshold:</b> not available
<b>Vapour Pressure:</b> not available	<b>Solubility:</b> soluble	

## 10 – STABILITY & REACTIVITY

**Conditions of Chemical Instability:** stable

**Conditions of Reactivity:** do not mix with acids/ chlorinated products

**Hazardous Decomposition Products:** none reasonably foreseeable

**Incompatible Substances:** strong oxidizing agents

**Storage Requirements:** Store in closed containers away from incompatible materials.

## 11 – TOXICOLOGICAL INFORMATION

**Acute Effects:** (see Section 2)

CORROSIVE. Oral LD50 estimated to be between 4000-5000mg/kg

**Chronic Effects:**

<b>Carcinogen:</b>	none known
<b>Teratogen:</b>	none known
<b>Mutagen:</b>	none known
<b>Reproductive Toxin:</b>	none known
<b>Sensitization:</b>	none known

## 12 – ECOLOGICAL INFORMATION

**Environmental Information:** no data available

## 13 – DISPOSAL CONSIDERATION

**For Leaks or Spills:** See Section 6. 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:** 3267

See shipping documents for specific transportation information.

## 15 – REGULATORY INFORMATION

**WHMIS:** Class D2B,E

**Canada Inventory:** All components are listed or exempted.

## 16 – OTHER INFORMATION

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