



MATERIAL SAFETY DATA SHEET

1. Chemical Product & Company Data

Product name Degrease All	
Manufacturer: Il Rep-Z, Inc. 4660 Elizabeth St. Coraopolis, PA 15108 Telephone: 1-412-264-8340	Supplier:

2. Hazardous Ingredients

Name	CAS #	UN #	% by volume
2-Butoxyethanol	111-76-2		10-30
Octylphenoxypolyethoxyethanol (nonionic surfactant)	9036-19-5		1-5
Disodium trioxosilicate pentahydrate	6834-92-0		1-5
Trisodium hydrogencarbonate	533-96-0		1-5
Ammonium hydroxide	1336-21-6		1-5

3. Hazards Identification

Emergency Overview

A blue liquid with a slight ammonia odor Toxic by ingestion Skin and eye irritant

Ingestion - may cause irritation in the mouth and stomach. Symptoms may include pain or burning sensation, coughing & vomiting, headache, dizziness and uncoordination

Inhalation - high vapor concentration may cause irritation in the mouth, nose and throat, possible chest pain and cough. May cause headache, nausea, dizziness and vomiting

Eye contact - vapors or liquid splashed in eyes may cause irritation or damage to eye tissue.

Skin contact - may cause skin irritation, product may be absorbed through the skin with symptoms similar to ingestion or inhalation.

4. First Aid

Ingestion - give several glasses of water to dilute product. **Do not** induce vomiting. Seek medical attention.

Inhalation - remove to fresh air. If irritation develops or persists seek medical attention.

Eye contact - flush eyes immediately with water for 15 minutes. Seek medical attention.

Skin contact - remove affected clothing. Flush with water for 15 minutes. If irritation develops seek medical attention.

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5. Fire Fighting Measures

Flammability Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, under which conditions ?		
Flashpoint 219 °F (103.8 °C)	Upper flammable limit % by volume	Lower flammable limit % by volume	
Autoignition temperature		Hazardous combustion products	
Explosion data:			
Means of extinction:			

6. Accidental Release Measures

Use sorbent material to contain spilled material.
 Use personal protective equipment.
 Do not allow material to contaminate watercourse or groundwater.
 Place waste material in appropriate containers for waste disposal.

7. Handling & Storage

Product is alkaline
 Use personal protective equipment
 Store in a well ventilated area
 Keep from freezing
 Do not mix this product with acids, oxidizing agents or reducing agents

8. Exposure Controls & Personal Protection

Personal Protective Equipment			
Gloves natural rubber	Respirator NIOSH TC-23C for ammonia with dust and mist prefilter	Eye goggles	
Footwear n. ap.	Clothing coveralls or equivalent	Other none	

Exposure Guidelines				
* none established for product *				
	OSHA		ACGIH	
	TWA	STEL	TWA	STEL
2-butoxyethanol	25 ppm		25 ppm	
ammonia	25 ppm	35 ppm	25 ppm	35 ppm

Note - 2-butoxyethanol may be absorbed through the skin

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9. Physical & Chemical Properties

Physical state liquid	Odor and appearance clear blue liquid with ammonia odor	
Odor threshold (ppm) n. av.	Vapor pressure (mm Hg) 20.7	Vapor density (Air=1) n. av.
Evaporation rate (butyl acetate = 1) 0.1	Boiling point 215 °F (102 °C)	Freezing point n. av.
pH 12.3	Specific gravity 1.034	Coefficient water/oil distribution n. av.
Solubility in water 100%	Viscosity @ 100 °F (38 °C) 1.16 cs	% Volatiles (by weight) 90

10. Stability & Reactivity

Chemical stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under which conditions ?
Incompatibility with other substances Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, under which conditions ? Avoid contact with strong oxidizing and reducing agents Avoid contact with acids
Reactivity, and under what conditions?	Stable under normal conditions. Will liberate vapors of nitric oxides and ammonia if heated to decomposition.
Hazardous decomposition products	Nitric oxides, ammonia, carbon dioxide, carbon monoxide

11. Toxicological Information

Route of Entry			
Skin contact <input checked="" type="checkbox"/>	Skin absorption <input checked="" type="checkbox"/>	Eye contact <input checked="" type="checkbox"/>	Inhalation <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/>
Toxicological information is not available for the product Ammonium hydroxide LD ₅₀ (rat, oral) 350 mg/kg irritation (rabbit, eye) 44 ug severe Disodium monosilicate pentahydrate LD ₅₀ (rat, oral) 1470 mg/kg; LD ₅₀ (rat, oral) 800 mg/kg; irritation (rabbit, skin) 250 mg/24 hr. 2-Butoxyethanol LD ₅₀ (rat, oral) 470 mg/kg, LD ₅₀ (rabbit, oral) 300 mg/kg,			
Carcinogenicity no	Mutagenicity no	Teratogenicity no	Reproductive toxicity no
Synergistic products no	Sensitization no	Neurotoxicity no	Target organs no

12. Ecological Information

Octylphenoxypolyethoxyethanol (CAS # 9036-19-5)	Aquatic effects	96 hr. Fathead minnow LC ₅₀ 8.9 mg/L
Ammonium hydroxide	Aquatic toxicity rating	TLm 95: 100 - 10 ppm

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13. Disposal Considerations

Do not dispose of product in storm or sanitary sewer systems.
Do not allow discharge into groundwater or a watercourse.
If product is to be disposed of, contact a licensed or registered waste disposal firm to incinerate the product.

14. Transport Information

Shipping name NOT REGULATED

Hazard class

UN Identification #

15. Regulatory Information

This material safety data sheet has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Hazardous Products Act (Can.) and the Controlled Products Regulations (Can.) This product has been classified in accordance with the hazard criteria of the CPR (Can.) and the MSDS contains all the information required by the CPR (Can.).

This product is classed as **toxic and a skin and eye irritant** - 29 CFR 1910.1200 and Controlled Products Regulations (Can.)

WHMIS classification **D1B D2B**

This product is not subject to the reporting requirements of Section 313 of Title III of Superfund Amendments and Reauthorization Act (SARA) 1986 and 40 CFR part 372

16. Other Information

This product is used as a commercial cleaner and degreaser.

For chemical emergency during transportation call INFOTRAC (US) **1-800-535-5053** (INT'L) **1-352-323-3500**

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abbreviations

n. av. = not available n. ap. = not applicable ppm = parts per million mm Hg = millimeters of Mercury
cs = centistokes PMCC = Pensky Martens Closed Cup TCC = Tagliabue Closed Cup COC = Cleveland Open Cup
TWA = time weighted average STEL = short term exposure limit LD= lethal dose LC=lethal concentration