



MATERIAL SAFETY DATA SHEET

1. Chemical Product & Company Data

Product name Smoke Wash	
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
Octylphenoxyethoxyethanol (nonionic surfactant)	9036-19-5		40-70
Dipropylene glycol	25265-71-8		15-40
Fragrance - Aromatics (aldehydes, esters & ketones) and alcohols	n.av.		15-40

3. Hazards Identification

Emergency Overview

Combustible liquid Skin and eye irritant

NOTE: Hazard information is based on the characteristics of the components of this mixture.

Ingestion - may cause abdominal discomfort, nausea, vomiting and diarrhea.

Inhalation - r may cause irritation of the respiratory tract with possible chest pain and coughing

Eye contact - causes severe eye irritation and possible corneal injury

Skin contact - prolonged contact may cause discomfort, redness

4. First Aid

Ingestion - If patient is conscious give two glasses of water. **Do not** induce vomiting. Seek medical attention immediately.

Inhalation - Remove to fresh air. Administer artificial respiration if not breathing.

Eye contact - Flush eyes with water for 15 minutes. Seek immediate medical attention.

Skin contact - Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists.

Smoke Wash

5. Fire Fighting Measures

Flammability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, under which conditions ? Combustible liquid. Potential fire hazard when exposed to excessive heat flame or other sources of ignition.		
Flashpoint 132 °F (55.5 °C)	Upper flammable limit % by volume n. av.	Lower flammable limit % by volume n. av.	
Autoignition temperature n. av.	Hazardous combustion products Carbon monoxide and/or carbon dioxide		
Explosion data: n.ap.			
Means of extinction: Apply alcohol type or all purpose foam for large fires. Use dry chemical media or carbon dioxide extinguishers for small fires. SCBA and bunker gear for fire department personnel			

6. Accidental Release Measures

<p>Eliminate all sources of ignition</p> <p>Wear personal protective equipment</p> <p>Do not allow spill to reach watercourse or sewers</p> <p>Contain spill with absorbent mats or booms or inert materials such as sand. Material should be readily available in the workplace.</p> <p>Collect and store waste materials in suitable containers for disposal i.e. metal drums</p>

7. Handling & Storage

<p>Extinguish all sources of ignition in the work area. If the product is stored in metal containers the container must be grounded and bonded prior to dispensing the liquid. To prevent vapor escaping to the atmosphere keep all containers closed or covered. The product should be stored in a separate room equipped for flammable liquid storage or small volumes may be stored in a flammable liquid cabinet. Eyewash stations are required in the workplace. If eye irritation is encountered the use of a full facepiece respirator is recommended. Mechanical ventilation is recommended in enclosed workspaces. Area should be evacuated of all non essential personnel prior to application of product.</p>
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8. Exposure Controls & Personal Protection

Personal Protective Equipment		
Gloves polyvinyl chloride (PVC)	Respirator NIOSH TC-23C for organic vapors or equivalent	Eye goggles or full face respirator
Footwear n. ap.	Clothing coveralls or equivalent	Other n. ap.
Exposure Guidelines		
* none established for product *		

Smoke Wash

9. Physical & Chemical Properties

Physical state liquid	Odor and appearance clear colorless liquid, mild wintergreen aroma	
Odor threshold (ppm) n. av.	Vapor pressure (mm Hg) < 5	Vapor density (Air=1) n. av.
Evaporation rate (butyl acetate = 1) n. av.	Boiling point 293 °F (145 °C)	Freezing point n. av.
pH n. av.	Specific gravity 1.04	Coefficient water/oil distribution n. av.
Solubility in water 100 %	Viscosity @ 100.4 °F (38 °C) 19.67 cs	% Volatiles (by weight) n. av.

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 strong bases at high temperatures, strong acids and strong oxidizers
Reactivity, and under what conditions? stable under normal conditions	
Hazardous decomposition products Carbon monoxide and/or carbon dioxide as combustion by-products	

11. Toxicological Information

Route of Entry			
Skin contact <input checked="" type="checkbox"/>	Skin absorption <input type="checkbox"/>	Eye contact <input checked="" type="checkbox"/>	Inhalation <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/>
No toxicity studies have been conducted for this product			
Carcinogenicity no	Mutagenicity no	Teratogenicity no	Reproductive toxicity no
Synergistic products no	Sensitization no	Neurotoxicity no	Target organs skin and eyes

12. Ecological Information

Octylphenoxypolyethoxyethanol (CAS # 9036-19-5)	Aquatic effects	96 hr. Fathead Minnow LC ₅₀	8.9 mg/L
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Smoke Wash

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

US Domestic shipments not regulated by the Department of Transportation for truck or rail shipments up to 119 gallons.
Consumer Commodity ORM-D-AIR for air shipments

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 a **combustible liquid and a skin and eye irritant** - 29 CFR 1910.1200 and Controlled Products Regulations (Can.)

WHMIS classification **B3 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

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

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Phone No: 1-412-264-8340

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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