



MATERIAL SAFETY DATA SHEET

1. Chemical Product & Company Data

Product name Un Flame	
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
Composed of non hazardous ingredients			

3. Hazards Identification

Emergency Overview

Non hazardous Non flammable

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

Ingestion - may cause abdominal discomfort

Inhalation - may cause mild irritation of the respiratory tract

Eye contact - may cause mild eye irritation

Skin contact - prolonged contact may cause discomfort and mild irritation of the skin

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 medical attention if irritation persists.

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

Un Flame

5. Fire Fighting Measures

Flammability Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, under which conditions ?		
Flashpoint > 200 °F (93.3 °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

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

7. Handling & Storage

To prevent vapor escaping to the atmosphere keep all containers closed or covered. Eyewash stations are recommended 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.
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8. Exposure Controls & Personal Protection

Personal Protective Equipment		
Gloves polyvinyl chloride (PVC)	Respirator NIOSH TC-23C for ammonia + dust & mist prefilter	Eye goggles
Footwear n. ap.	Clothing coveralls or equivalent	Other n. ap.
Exposure Guidelines		
* none established for product *		

Un Flame

9. Physical & Chemical Properties

Physical state liquid	Odor and appearance colorless odorless liquid	
Odor threshold (ppm)	Vapor pressure (mm Hg) n. av.	Vapor density (Air=1) n. av.
Evaporation rate (butyl acetate = 1)	Boiling point 212 °F (100 °C)	Freezing point n. av.
pH 6.4	Specific gravity 1.07	Coefficient water/oil distribution n. av.
Solubility in water 100 %	Viscosity n. av.	% 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 contact with alkalis
Reactivity, and under what conditions? stable under normal conditions	
Hazardous decomposition products will liberate ammonia at high temperatures (thermal decomposition)	

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

n. av.

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 **non hazardous** - 29 CFR 1910.1200 and Controlled Products Regulations (Can.)

WHMIS classification **none**

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 flame retardant

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