

Paramount

CHEMICALS & PLASTICS, INC.

Inferno

Material Safety Data Sheet (MSDS)



Health	3
Fire	0
Reactivity	0
Personal Protection	

Section 1: Chemical Product and Company Identification

Product Name: Inferno
Chemical Name: Sulfuric Acid/Urea Blend
Chemical Family: Organic acid solution
CAS#: Mixture

Contact Information:

Paramount Chemicals & Plastics, Inc.
Warehouse:
14470 S State Road 29
Felda, FL 33930
Phone: (863) 674-1800
Fax: (863) 674-1802
E-mail: kenatparamountchem@earthlink.net

CHEMTREC - 24 Hour Emergency Telephone- call: 1-800-424-9300

Section 2: Composition and Information on Ingredients

Composition:
Name/Description
Nitrogen (N) From Urea 10%
Sulfur (S) 15%
(Sulfur derived from Sulfuric Acid, CAS# 7664-93-9, 50%)
Other/Inert Ingredients 75%

Section 3: Hazards Identification

KEEP OUT OF REACH OF CHILDREN – CAUTION - May be harmful if swallowed, inhaled or absorbed

through skin. May cause eye and skin irritation. Avoid contact with eyes, skin and clothing. Avoid contact with open cuts or sores. Avoid breathing vapors. Use with adequate ventilation. Eye protection and gloves are suggested when handling undiluted product. Wash thoroughly after handling and using this product. In case of contact, flush with water. Seek medical attention immediately for eyes.

This product is derived from a proprietary blend of Sulfuric Acid and Urea. Nausea and vomiting could be expected upon large dose ingestion. The acute symptoms indicating ingestion are nausea, chills, and diarrhea. Eye or skin contact with these products could cause irritation (particularly in sensitive persons), and respiratory irritation could be expected from the unprotected inhalation of mists. Product users should avoid prolonged or repeated skin contact by wearing impervious gloves, long sleeve shirt, long pants, socks and rubber boots. Goggles for eye protection are recommended.
This product is a clear pink liquid with no odor.

Section 4: First Aid Measures

IN CASE OF EYE CONTACT: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. **SEEK MEDICAL ATTENTION IMMEDIATELY.**

IN CASE OF SKIN CONTACT: Rinse skin immediately with plenty of water for 15 to 20 minutes. **IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION IMMEDIATELY.**

IN CASE OF INGESTION: CALL A POISON CONTROL CENTER IMMEDIATELY. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IN CASE OF INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Section 5: Fire and Explosion Data

Flash Point (°F/Test Method): Does not flash.

Flammable Limits: Not established

Extinguishing Media: Considered non-combustible, use medium appropriate to surrounding fire. Dry chemical, carbon dioxide (CO₂), foam, water spray or fog.

Hazardous Combustion Products: May include but are not limited to oxides of carbon, oxides of sulfur, and oxides of nitrogen.

Special Fire Fighting Procedures: Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.

Unusual Fire And Explosion Hazards: Heating to dryness may cause the release of carbon dioxide gas. Use water spray to cool containers.

Section 6: Accidental Release Measures

If Material Is Released Or Spilled:

Ventilate area. Contain spill, absorb liquid with clay or other absorbent material. Liquid is corrosive. Ensure pumping equipment is rated for use with acid. Sweep up material and place in container for disposal. Check local, state and Federal regulations for proper disposal. **CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Section 7: Handling and Storage

Handling Precautions: Open the container carefully. Contents may be under pressure. Use eye protection and gloves when handling undiluted product. Use with adequate ventilation.

Storage Directions: Store in original containers only. Keep containers tightly closed when not in use. Store out of direct sunlight in a cool, dry, well-ventilated area, preferably in a locked storage area away

from children, feed, food products, seed, and combustibles. Store at ambient temperatures. Polyethylene, Polypropylene, or acid rated containers are acceptable.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Not normally required. Use local or mechanical ventilation.

Respiratory Protection: Not normally required, if vapors are strong wear a NIOSH approved respirator for anhydrous ammonia.

Eye Protection: Chemical goggles or shielded safety glasses.

Skin Protection: Wear chemical-resistant gloves and protective clothing.

Section 9: Physical and Chemical Properties

Physical State, Appearance, And Color: Clear, pink liquid with no odor.

pH: 1 (10% solution).

Boiling Point: 212°F/100°C (Decomposes at 230°F).

Bulk Density: 12.60+/- lbs/gal.

Specific Gravity: 1.5 g/ml (Water = 1)

Evaporation Rate: Not established.

Vapor Pressure: Not established.

Percent Volatile: 19% w/w by volume.

Solubility: Soluble.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Conditions To Avoid: Avoid contact with hypochlorites, sulfides, or alkaline materials. Avoid storage, piping, or handling systems made of copper, zinc, or their alloys (bronze, brass, galvanized metals, etc.). Corrosive to 304 stainless steel. Slightly corrosive to 316 stainless steel.

Incompatibility With Various Substances: Hypochlorites, sulfides, or alkaline materials. Incompatible with nylon and nylon beads.

Incompatibility: Hazardous Decomposition Products: Heating to dryness may cause the release of carbon dioxide gas.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Acute Oral LD50 (rat): 350 mg/kg.

Acute Dermal LD50 (rabbit): >2,000 mg/kg.

Eye Irritation (rabbit): Corrosive.

Skin Irritation (rabbit): May be corrosive to skin.

Skin Sensitization (guinea pig): Not established.

Inhalation LC50 (rat): Not established.

Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH.

Section 13: Ecological/Disposal Considerations

Ecological: Do not contaminate water supplies. May be harmful to fish, livestock, and wildlife.

Disposal: Do not reuse container. Rinse container thoroughly, adding rinsate to mixing tank. Then dispose of according to local, state, or Federal regulations.

Section 14: Transport Information

DOT Classification: Class 8: Corrosive material

Identification: : Sulfuric acid, solution (Sulfuric acid) UNNA: 2796 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

NFPA & HMIS Hazard Ratings: NFPA HMIS

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y___ Fire N___ Sudden Release of Pressure N___

Delayed N___ Reactive N___

Reportable Quantity (RQ) under U.S. CERCLA: Sulfuric Acid (CAS 7664-93-9) 1,000 lbs.

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 0

Reactivity: 0

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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