

MATERIAL SAFETY DATA SHEET

Date of Revision: January 2006

SECTION I - PRODUCT IDENTIFICATION

Manufactured by: **VentureTECH Corporation**
10720 Lexington Drive
Knoxville, TN 37932

Information Phone: (865) 966-2532
Emergency Phone: (865) 544-9400

Chemical Name:
Trade Name: **BROWN OUT**

Chemical Family: Inorganic Acid
Formula: Proprietary Blend of Acid and Solvent

! NFPA Hazard Ratings: Health - 1
! none -> extreme Fire - 0
! 0 ----> 4 Reactivity - 0
!
! Special Hazard Warning -
!
! Personal Protection - D

SECTION II - HAZARDOUS INGREDIENTS

Principal Hazardous Compound:	Percent:	CAS No:	TLV:
Citric Acid	0-12%		

SECTION III - PHYSICAL DATA

Appearance & Odor: Clear liquid	Boiling Range: N/A
Percent Volatile by Volume: N/A	Evaporation Rate: Non-Volatile
Specific Gravity: 1.06	Vapor Density: None
Wt. per Gallon: 8.84	Solubility in Water: Complete
pH: 1% Sol. <1	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: Non-Combustible Flash Point: None LEL: UEL:

Extinguishing Media:

Non-Flammable. Fight source of fire with water spray, carbon dioxide, chemical foam, dry chemical as required by surrounding fire.

Special Fire fighting Procedures:

Avoid direct contact of this product with water; reacts exothermally when exposed to water. If this material is involved in a fire, NIOSH approved self contained respiratory should be worn.

Unusual Fire & Explosion Hazards: None known

SECTION V - HEALTH HAZARD DATA

Permissible Exposure Level: Not Established

Effects of Overexposure:

PRIMARY ROUTES OF ENTRY:

(X) Skin Contact (X) Eye Contact () Inhalation (X) Ingestion

SIGNS AND SYMPTOMS OF EXPOSURE:

ACUTE: Can cause eye burns, irritation of nose, throat and skin.

CHRONIC: Inhalation of dust spray or mist may result in varying degrees of irritation or damage to the respiratory tract tissues.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

CARCINOGENICITY: () OSHA () NTP () IARC

EMERGENCY PROCEDURES:

FIRST AID:

Inhalation: Remove from further exposure to sprays. Support respiration if needed. Consult physician if symptoms persist.

Skin Contact: Remove contaminated clothing and wash contaminated areas with plenty of water for 15 minutes.

Eye Contact: Flush eyes immediately with large quantities of water for 15 minutes, lifting the eyelids occasionally. Get medical attention. Washing eyes within several seconds is essential.

Ingestion: Give large quantities of water or milk. Consult physician if symptoms persist.

SECTION VI - REACTIVITY DATA

Stability:

(X) Stable () Unstable

Incompatibility:

Chlorine, cyanides or sulfides

Conditions to Avoid

Do not use on Magnesium. Avoid prolonged contact with Aluminum, Zinc, Tin or alloys containing these metals.

Hazardous Decomposition Products:

Sulfur trioxide, sulfuric acid and ammonia.

Hazardous Polymerization:

(X) Will not occur, () May occur

SECTION VII SPILL OR LEAK PROCEDURES

Steps To Be Taken in Case Material is Released or Spilled:

Confine as much as possible. Dike and absorb solution with inert material such as Oil dry or Vermiculite.

Neutralize with soda ash. Transfer to containers for disposal. Flush contaminated area with plenty of water.

Avoid wash water entering natural waterways or public water supplies.

Waste Disposal Method:

Dispose of waste in accordance with Federal, State, and local ordinances.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection:

Not required under normal use conditions. Use NIOSH/MSHA approved respirators where dust or mist may be generated.

Ventilation:

Local Exhaust. Good room ventilation usually adequate for most operations.

Protective Gloves:

Prevent contact with skin. Use impervious rubber or neoprene gloves.

Eye Protection:

Chemical type goggles or face shield recommended.

Other Protective Equipment:

Wear appropriate protective clothing to prevent contact with product.

Wash hands thoroughly after use. Wash contaminated before reuse

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken in Handling and Storing:

Empty containers should be reconditioned by certified firms. Disposal of empty containers should be in accordance with applicable laws and regulations. Store in a cool, dry place. Keep container closed. Keep out of reach of children.

Other Precautions:

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