Safety Data Sheet

Better Chemistry. **Better Business**

CUPRASTRIP 1 **Revised:** 3/28/23

1 IDENTIFICATION

Product Name: CUPRASTRIP 1

Product Code :2582009

Recommended use of the chemical and restrictions on use: Industrial applications

Hubbard-Hall Inc.
563 South Leonard Street
Waterbury, CT 06708
Telephone: 203-756-5521
Fax number: 203-756-9017

Emergency Phone Number
CHEMTREC: 1 (800) 424-9300
International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION

Signal Word: DANGER

Hazard Category: Acute Toxicity-Oral Hazard Category 4
Skin Corrosion/Irritation Hazard Category 2
Eye Damage/Irritation Hazard Category 1
Acute Aquatic Toxicity-Category 2
Chronic Aquatic Toxicity-Category 2
Corrosive to Metals Hazard Category 1
Acute Toxicity-Inhalation Hazard Category 4

Hazard Statements: Harmful if swallowed.
Causes skin irritation.
Toxic to aquatic life with long lasting effects
Causes serious eye damage.
Harmful if inhaled.
May be corrosive to metals.

Prevention: Do not eat, drink or smoke when using this product.
Wash skin thoroughly after handling.
Avoid breathing dust, fumes, gas, mist, vapors and sprays.
Wear protective gloves, natural or nitrile rubber are suggested, protective chemical resistant clothing, goggles and face shield.
Use only outdoors or in well ventilated area.
Keep only in original container.

Avoid releases to the environment

Response: If swallowed: Immediately call poison center or doctor.

Absorb spillage to prevent material damage .

If on skin: Wash with plenty of water.

If skin irritation occurs: Get Medical advice/attention.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

Take off contaminated clothing and wash it before reuse.

Storage: Store in corrosive resistant high density polyethylene container.

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

Components with Unknown Acute Toxicity Oral = 18% Dermal = 18%

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Ammoniom Hydroxide	Ammonia	1336-21-6	25-30%
Ammonium Carbonate	-	506-87-6	18%

4 FIRST AID

After Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one way valve or other proper respiratory device. Call a physician or poison control center imediately.

After Skin Contact:

Take off immediately all contaminated clothing. Wash off IMMEDIATELY with plenty of water for at least 15-20 minutes. Get medical attention immediately! Wash clothing separately before reuse. Destroy or thoroughly clean all contaminated shoes.

After Eye Contact:

Do not allow victim to rub or keep eyes tightly shut. Gently lift eyelids and flush immediately and continuously with flooding amounts of water until transported to an emergency medical facility. Consult a physician immediately.

After Ingestion:

Call a physician or poison control center immediately. Do not induce vomiting. Immediately rinse mouth and drink plenty of water. If vomiting occurs, keep head low so that the stomach content doesn't get into the lungs. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance.

Most Important Symptoms/Effects

Inhalation:

May cause irritation and inflammation in nose, throat and lungs.

Eye:

Direct contact can cause corrosive ocular burns.

Skin:

Causes severe skin burns

Delayed:

Corrosive. Prolonged contact causes serious tissue damage.

Indication of immediate medical attention:
Provide general supportive measures and treat symptomatically. Symptons may be delayed. Keep victim under observation.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media: In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.

Specific hazards arising from the chemical: Heat and fire may result in the release of corrosive fumes.

Special protective equipment and precautions for firefighter Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc Wear appropriate chemical protection equipment such as gloves, face-shield, goggles and suitable body protection to prevent contamination of skin, eyes and personal clothing.

Methods and Materials for containment & cleaning up: Provide sufficient ventilation.

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

Avoid release to the environment.

7 HANDLING AND STORAGE

Precautions for safe handling: Wear rubber protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection.

Eating, drinking and smoking in the work area is prohibited.

Use in well ventilated area.

Conditions for safe storage, inc any incompatibilities: Do not store in steel drums.

Store in cool dry place.

Store in well ventilated place. Keep container tightly closed.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Ammonium HYdroxide	ACGIH	25 ppm	35 ppm
Ammonium Carbonate	Not established	-	-

ACGIH - American Control of Governmental Hygenists
OSHA - Occupational Safety and Health Administration

Ventilation: Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit(s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).

Respiratory Protection: A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI 788.2 or applicable federal requirements must be followed whenever work place conditions warrant respirator use. NIOSH's Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Protective Gloves:	Butyl or neoprene gloves
Other Protective Equipment:	Wear chemical resistant apron.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber Liquid
Odor:	Strong Ammonia Smell
Odor Threshold:	N/A
PH:	10.0
Melting Point/Freezing Point:	NA
Initial Boiling Point and Boiling Range:	NA
Flash Point:	N/A
Evaporation Rate:	1 (BuAc=1)
Upper/Lower flammability or explosive limits:	non-flammable
Vapor Pressure:	NA
Vapor Density:	NA
Relative Density:	1.0464
Solubility (ies):	N/A
Partition Coefficient; n-octanol/water:	NA
Auto-ignition Temperature:	N/A
Decomposition Temperature:	NA
Viscosity:	NA

10 STABILITY AND REACTIVITY

Reactivity:	Hazardous Polymerization will not occur.
Chemical Stability:	Stable under normal conditions
Conditions to Avoid:	N/A
Incompatible Materials:	Avoid contact with strong oxidizers and strong acids.
Hazardous Decomposition Products:	Ammonia, Nitrogen Oxides.

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Ammonium Hydroxide, LD50 rat; 350 mg/kg
Inhalation:	N/A
Delayed effects:	Irritation or burns to skin, eyes and respiratory system
Immediate effects:	Irritation or burns to skin, eyes and respiratory system
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH

12 ECOLOGICAL INFORMATION

Crustations, Daphnia magna,	Ammonium hydroxide, LC50 0.66 mg/l 48 hours
Persistence and Degradability:	Expected
Other adverse effects(such as hazardous to the ozone layer):	Very toxic to aquatic organisms. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

UN Number:	2672
UN Proper Shipping Name:	AMMONIA SOLUTION, WITH MORE THAN 10% BUT NOT MORE THAN 35% AMMONIA,
Transport Hazard Class (es):	8
Packing Group:	III
ERG:	154

15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 0

Sara Hazard Classification	Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing)
Proposition 65	No Proposition 65 listed components in this formula
TSCA Inventory Status	All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

16 OTHER INFORMATION

REACH status	No **RoHS** or **REACH SVHC** are contained in this product.
Disclaimer:	The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.
Date Prepared:	August 22,2014