

## Sigma-Aldrich Copper Atomic Absorption Standard Solution

INGREDIENTS	CAS NO	%	8HR OEL
NITRIC ACID	7697-37-2	1-2	5.2 mg/m3
copper	7440-50-8	0.1	1 mg/m3



UN No: 3264  
 Hazchem Code: 2X  
 DG Class: 8  
 Subsidiary Risk: **Not Applicable**  
 Packing Group: III  
 Poisons Schedule: S5



## NFPA Rating:

- ▶ 0: Minimum
- ▶ 1: Low
- ▶ 2: Moderate
- ▶ 3: High
- ▶ 4: Extreme

## HEALTH HAZARD INFORMATION



## Acute Health Effects:

Toxic by inhalation.  
 Causes burns.  
 Risk of serious damage to eyes.

## Chronic Health Effects:

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

\* – limited evidence

## PROPERTIES



Liquid. Corrosive. Acid. Does not burn.

## EMERGENCY



## FIRST AID

## Swallowed:

Give water (if conscious). URGENT MEDICAL ATTENTION.

## Eye:

Wash with running water (15 mins). Medical attention.

## Skin:

Flood body with water. Remove contaminated clothing. Wash with water

## Inhaled:

Fresh air. Rest, keep warm. If breathing shallow, give oxygen. Medical attention.

## Advice To Doctor:

Airway problems - 100% O2. Treat burns as thermal. Retract eyelids - irrigate 30 mins. Retract eyelids/ Irrigate 30 mins.

## Fire Fighting:

Keep surrounding area cool. Water spray/fog.

## Spills and Disposal:

Prevent from entering drains. Contain spillage by any means. Absorb with dry agent. Neutralize with soda ash/ lime. Stop leak if safe to do so. Dispose of this material and its container at hazardous or special waste collection point. This material and its container must be disposed of in a safe way. To clean the floor and all objects contaminated by this material, use water and detergent.

## PRECAUTIONS FOR USE



## Appropriate engineering controls:

General Exhaust Ventilation adequate.

## Glasses:

Consider full face-shield.

## Gloves:

1.BUTYL 2.HYPALON 3.NEOPRENE

## Respirator:

Type AE-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

## Storage and Transportation:

Store in cool, dry, protected area. Restrictions on Storage apply. Refer to Full Report. Dispose of this material and its container at hazardous or special waste collection point. Keep locked up. Keep out of reach of children. Keep away from living quarters. Keep away from food, drink and animal feeding stuffs.

## Fire/Explosion Hazard:

Toxic smoke/fumes in a fire. Attacks metals to liberate hydrogen. Dispose of this material and its container at hazardous or special waste collection point. In case of fire and/or explosion, DO NOT BREATHE FUMES.

## SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS



Flammable



Explosive



Radioactive



Oxidizing

x

x

x

x

x — Must not be stored together