

Sigma-Aldrich Multielement Standard Solution 1 For ICP

INGREDIENTS	CAS NO	%	8HR OEL
NITRIC ACID	7697-37-2	10-<20	5.2 mg/m3
Silver nitrate, potassium nitrate applicator	7761-88-8	0.025-<0.1	0.01 mg/m3
LEAD (II) NITRATE	10099-74-8	0.025-<0.1	0.05 mg/m3
nickel(II) nitrate	13138-45-9	0.025-<0.1	0.1 mg/m3



UN No: 2031
 Hazchem Code: 2P; 2R
 DG Class: 8
 Subsidiary Risk: None
 Packing Group: II
 Poisons Schedule: Not Applicable



NFPA Rating:

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

HEALTH HAZARD INFORMATION



Acute Health Effects:

Very toxic by inhalation.
 Causes severe burns.
 Risk of serious damage to eyes.
 May cause SENSITISATION by skin contact.

Chronic Health Effects:

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

* – limited evidence

PROPERTIES



Liquid. Mixes with water. Corrosive. Acid. Contact with combustible material may cause fire. Does not burn.

EMERGENCY



FIRST AID

Swallowed:

Give water (if conscious). URGENT MEDICAL ATTENTION. Do NOT give milk or oil. Do NOT give alcohol.

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 breath 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:

Absorb with dry agent. Dilute with water. 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.

PRECAUTIONS FOR USE



Appropriate engineering controls:

Local Exhaust Ventilation recommended.

Glasses:

Consider full face-shield.

Gloves:

1.BUTYL 2.HYPALON 3.NEOPRENE

Respirator:

Type E-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	Toxic	Radioactive	Oxidizing
x	x	x	x	x

x — Must not be stored together