



# Alpha Chemika



ISO 9001 QUALITY SYSTEM CERTIFIED ORGANIZATION

**MATERIAL SAFETY DATA SHEET**

**MSDS**

Savgan Heights ; 102 ,B Wing ; R.T.O. Lane ,Andheri (West) Mumbai - 400053 , INDIA

## Section 1 - Chemical Product and Company Identification

**Product Name : ZINC AAS Solution 1000±2 mg/Lt**

**Synonyms:**

**CAS No.:** Not Applicable to mixture

**Molecular Weight:** Not Applicable to mixture

**Chemical Formula:** Not Applicable to mixture

## Section 2 - Composition, Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Hydrochloric acid	7647-01-0	1 %	Yes
Water	7732-18-5	98,9 %	No
Zinc	7440-66-6	0,1 %	Yes

## Section 3 - Hazardous Identification

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

## Section 4 - First Aid Measures

**If inhaled**

If breathed in, move person into fresh air. If not breathing give artificial respiration

**In case of skin contact**

Wash off with soap and plenty of water.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

## Section 5 - Fire Fighting Measures

### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6 - Accidental Release Measures

### **Personal precautions**

Avoid breathing vapors, mist or gas.

### **Methods for cleaning up**

Keep in suitable, closed containers for disposal.

## Section 7 - Handling and Storage

### **Handling**

Normal measures for preventive fire protection.

### **Storage**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Handle and open container with care.

## Section 8 - Exposure Controls, Personal Protection

### **Personal protective equipment**

#### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

For prolonged or repeated contact use protective gloves.

#### **Eye protection**

Tightly fitting safety goggles. Faceshield (8-inch minimum).

#### **Hygiene measures**

General industrial hygiene practice.

## Section 9 - Physical and Chemical Properties

### **Appearance**

Form liquid

### **Safety data**

pH no data available

Melting point no data available

Boiling point no data available

Flash point no data available

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Density 1,010 g/cm<sup>3</sup>

Water solubility no data available

## Section 10 - Stability and Reactivity

### **Storage stability**

Stable under recommended storage conditions.

### **Materials to avoid**

Strong bases, Acids, Bases, Alkali metals, Metals, Amines, permanganates, e.g. potassium permanganate, Fluorine, chlorides, hexalithium disilicide, Nitrates, Carbon disulfide

### **Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas

## Section 11 - Toxicological Information

### **Acute toxicity**

no data available

### **Irritation and corrosion**

no data available

### **Sensitisation**

no data available

### **Chronic exposure**

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrochloric acid)

### **Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### **Potential Health Effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

**Ingestion** May be harmful if swallowed.

## Section 12 - Ecological Information

### **Elimination information (persistence and degradability)**

no data available

### **Ecotoxicity effects**

no data available

### **Further information on ecology**

no data available

## Section 13 - Disposal Considerations

### **Product**

Observe all federal, state, and local environmental regulations.

### **Contaminated packaging**

Dispose of as unused product.

## Section 14 - Transport Information

### **ADR/RID**

UN-Number: 1789 Class: 8 Packing group: III  
Proper shipping name: HYDROCHLORIC ACID

### **IMDG**

UN-Number: 1789 Class: 8 Packing group: III EMS-No: F-A, S-B  
Proper shipping name: HYDROCHLORIC ACID  
Marine pollutant: No

### **IATA**

UN-Number: 1789 Class: 8 Packing group: III  
Proper shipping name: Hydrochloric acid

## Section 15 - Regulatory Information

### **Labelling according to EC Directives**

Safety datasheet available on request for professional users.

## Section 16 - Additional Information

### **Text of R-phrases mentioned in Section 3**

R34 Causes burns.

R37 Irritating to respiratory system.