

MATERIAL SAFETY DATA SHEET

ALUMINIUM AAS STANDARD SOLUTION 1000 mg/l Al in Diluted HCl MSDS CAS:

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: ALUMINIUM AAS STANDARD SOLUTION 1000 mg/l Al in Diluted HCl

CAS#:

Synonym: Not Available

Chemical Name: Not Available

Chemical Formula: Not Available

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: OXFORD LAB FINE CHEM LLP
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Substance / Preparation : Preparation.

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Section 2: Composition and Information on Ingredients (Continued)

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
ALUMINIUM CHLORIDE (HEXAHYDRATE)	> 0.01 < 1 %	7784-13-6	231-208-1	013-003-00-7	-----	Xi; R36 ----- Eye irrit 2 _ H319 Skin Irrit. 2 _ H315 STOT SE 3 _ H335
Hydrochloric acid	> 1 < 5 %	7647-01-0	231-595-7	017-002-01-X	-----	C; R34 Xi; R37 ----- Skin Corr. 1B _ H314 STOT SE 3 _ H335
Water	> 75 < 99 %	7732-18-5	231-791-2	-----	----	Not classified (DSD/DPD) ----- Not classified (GHS)

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45: Not classified.

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP):

Health hazards : Skin irritation - Category 2 - Warning (CLP: Skin Corr. 2) H315

Label elements

Labelling EC 67/548 or EC 1999/45 : Not classified.
 Symbol(s) : None.
 R Phrase(s) : None.
 S Phrase(s) : None.
 Contains : Water - Hydrochloric acid - ALUMINIUM CHLORIDE
 (HEXAHYDRATE)

Labelling Regulation EC 1272/2008 (CLP):

Signal words : Warning
 Hazard statements: H315: Causes skin irritation.

Section 3: Hazards Identification (Continued)

H315 : Causes skin irritation.

Precautionary statements

- **Prevention** : P280: Wear protective gloves, protective clothing, eye protection, face protection.
P264: Wash thoroughly after handling.
- **Response** : P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation occurs: Get medical advice.
P363: Wash contaminated clothing before reuse.

Contains : Water - Hydrochloric acid - ALUMINIUM CHLORIDE (HEXAHYDRATE)

Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB Substance according to Annex XIII of Regulation REACH.

Section 4: First Aid Measures

Description of first aid measures

Inhalation : Assure fresh air breathing. Allow the victim to rest. Call a POISON CENTER or doctor if you feel unwell. Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

Skin contact : Specific treatment (see on this label). Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice. Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.

Eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Immediately call a POISON CENTER or doctor. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

Ingestion : Obtain emergency medical attention. Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms relating to use: Causes severe skin burns and eye damage. Causes skin irritation. May cause respiratory irritation.

Indication of any immediate medical attention and special treatment needed

General information: Never give anything by mouth to an unconscious person. If you feel unwell, seek Medical advice.

Section 5: Fire and Explosion Data

Extinguishing media

- Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.
Surrounding fires : Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or mixture

Hazardous combustion products: Under fire conditions, hazardous fumes will be present. Thermal decomposition generates: Corrosive vapours.

Advice for fire-fighters

Protection against fire : Do not enter fire area without proper protective equipment, including respirator protection.

Special procedures

: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- For emergency responders** : Equip cleanup crew with proper protection.
For non-emergency personnel: Evacuate unnecessary personnel.

Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and material for containment and cleaning up

- Clean up methods** : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Section 7: Handling and Storage

Precautions for safe handling

Handling : Use only outdoors or in a well-ventilated area. Wash contaminated clothing before reuse. Wash thoroughly after handling. Do not breathe dust, fume, gas, mist, vapours, and spray. Wash thoroughly after handling. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

Storage regulation: Comply with applicable regulations.

Storage - away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Specific end use(s) : None.

Section 8: Exposure Controls/Personal Protection

Exposure controls

Personal protection : Avoid all unnecessary exposure.

- **Respiratory protection** : Wear approved mask.
- **Hand protection** : Wear protective gloves.
- **Skin protection** : Wear suitable protective clothing
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : When using, do not eat, drink or smoke.

Control parameters

Occupational Exposure Limits: No data available.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state at 20 °C : Solid
Colour : Colorless
Odour : Characteristic.

Section 9: Physical and Chemical Properties (Continued)

Odour threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: No data available.
Decomposition point [°C]	: N/A
Critical temperature [°C]	: No data available.
Auto-ignition temperature [°C]	: No data available.
Flammability (solid, gas)	: N/A
Flash point [°C]	: No data available.
Boiling point [°C]	: N/A
Initial boiling point [°C]	: No data available.
Final boiling point [°C]	: No data available.
Evaporation rate	: N/A
Vapour pressure [20°C]	: No data available.
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm³]	: 1,02
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: No data available.
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: No data available
Viscosity at 40°C [mm²/s]	: No data available.

Other information

Explosive properties	: N/A
Explosion limits - upper [%]	: No data available.
Explosion limits - lower [%]	: No data available.
Oxidising properties	: No data available.

Section 10: Stability and Reactivity Data

Reactivity : Not established.

Chemical stability

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions : Not established.

Conditions to avoid : Direct sunlight. Extremely high or low temperatures.

Materials to avoid : Strong acids. Strong bases.

Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.

Section 11: Toxicological Information

Information on toxicological effects

Toxicity information : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

Acute toxicity

- **Inhalation** : Based on available data, the classification criteria are not met.
- **Dermal** : Based on available data, the classification criteria are not met.
- **Ingestion** : Based on available data, the classification criteria are not met.

Corrosion : Causes severe skin burns and eye damage.

Irritation : Causes skin irritation. May cause respiratory irritation.

Sensitization : Based on available data, the classification criteria are not met.

Mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Toxic for reproduction: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Section 12: Ecological Information

Toxicity

Toxicity information: The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

Persistence - degradability: Biodegradable.

Bioaccumulative potential : Not established.

Mobility in soil : Not established.

Results of PBT and vPvB assessment: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Other adverse effects

Environmental precautions: Avoid release to the environment

Section 13: Disposal Considerations

Waste treatment methods

General: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name : HYDROCHLORIC ACID
UN N° : 1789
H.I. nr : 80
ADR – Class : 8

Section 14: Transport Information (Continued)

Sea transport (IMDG) [English only]

Proper shipping name: HYDROCHLORIC ACID

UN N°: 1789

IMO-IMDG - Class or division: 8: Corrosive substance.

IMO-IMDG - Packing group: III

Air transport (ICAO-IATA) [English only]

Proper shipping name: HYDROCHLORIC ACID

UN N°: 1789

IATA - Class or division: 8: Corrosive substance.

IATA - Packing group: III

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental: Ensure all national/local regulations are observed.

Regulations/legislation

Specific for the substance or mixture

REACH Restrictions - Annex XVII: The components of this product are not subject to restrictions.

REACH Authorization - Annex XIV: The components of this product are not subject to authorization.

Chemical Safety Assessment

Chemical Safety Assessment: It has not been carried out.

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Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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