

## 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Silica Precipitated	<b>Supplier:</b>	ASES CHEMICAL WORKS.
<b>Synonyms:</b>	Precipitated Amorphous Silica. Silicon Dioxide. Precipitated Hydrated Amorphous Silica.	<b>Address:</b>	Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India
<b>INCI Name:</b>	Hydrated Silica	<b>Phone:</b>	+91-9636889954
<b>CAS Number:</b>	112926-00-8 (7631-86-9)	<b>Web:</b>	www.ases.in
<b>Chemical Formula:</b>	SiO <sub>2</sub>	<b>Email :</b>	ecom@ases.in
<b>Product Form:</b>	Solid (Powder)		
<b>Product Use:</b>	Industrial/Professional use, Manufacture of substances.		

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture:

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### 2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS-No.	EC-No.	Composition
Precipitated silica	112926-00-8 (7631-86-9)	231-545-4	SiO <sub>2</sub> anhydrous: 98 %

## 4 FIRST AID MEASURES

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin Contact:** Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 5 FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Carbon dioxide. Dry powder. Foam. Water spray.

**Special Hazards:** Silicon Oxides Not combustible. Ambient fire may liberate hazardous vapours.

**Fire-Fighting/Further Advice:** In the event of fire, wear self-contained breathing apparatus.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**Environmental precautions:** No special precautionary measures necessary.

**Methods for cleaning:** Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts

## 7 HANDLING & STORAGE

**Handling:** Provide good ventilation in process area to prevent formation of vapour. Do not breathe dust, fume, gas, mist, spray, vapours. Wear personal protective equipment. Wash contaminated clothing before reuse. Always wash hands after handling the product.

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

# MATERIAL SAFETY DATA SHEET

## SILICA PRECIPITATED

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Ensure good ventilation of the work station.
<b>Personal protection:</b>	Safety glasses. Lab coat. Dust respirator. Be sure to use a certified respirator or equivalent.
<b>Respiratory protection:</b>	Wear approved mask.
<b>Hand protection:</b>	Wear protective gloves.
<b>Skin protection:</b>	Wear suitable protective clothing.
<b>Eye protection:</b>	Chemical goggles or safety glasses.
<b>Others:</b>	When using, do not eat, drink or smoke.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid.	Melting Point	1700°C (3092°F)
Appearance	White Free Flowing Powder	Critical Temperature	Not available.
Odor	Odorless.	Specific Gravity	2.1 (Water = 1)
Odor Threshold	Not available.	Vapor Pressure	Not applicable.
Taste	Tasteless.	Vapor Density	Not available.
Molecular Weight	Not available.	Volatility	Not available.
Color	White.	Water/Oil Dist. Coeff.	Not available.
pH (5% aq soln)	6.5 to 7.5.	Ionicity (in Water)	Not available.
Boiling Point	4046 °F at 760 mm Hg.	Dispersion Properties	Is not dispersed in cold water, hot water.

**Solubility:** Insoluble in cold water, hot water. Very slightly soluble in alkali. Soluble in hot KOH and NaOH solutions.  
Insoluble in ethanol. Insoluble in acids except hydrofluoric acid.

### 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable under normal temperature conditions
<b>Hazardous Polymerization:</b>	No dangerous reactions known under normal conditions of use.
<b>Conditions to Avoid:</b>	No data available.
<b>Incompatible Materials:</b>	Incompatible materials, moisture, excess dust generation.
<b>Hazardous Decomposition Products:</b>	Under normal conditions use, hazardous decomposition should not be produced.

### 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity :</b>	Routes of Entry: Inhalation. Ingestion.
<b>Toxicity to Animals:</b>	Acute oral toxicity (LD50): >10000 mg/kg [Rat]. dermal toxicity (LD50): >5000 mg/kg[Rabbit].
<b>Chronic Effects on Humans:</b>	CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: lungs, upper respiratory tract.
<b>Other Toxic Effects on Humans:</b>	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
<b>Special Remarks on Toxicity to Animals:</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans:</b>	Not available.

### 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Not available.
<b>BOD5 and COD:</b>	Not available.
<b>Products of Biodegradation:</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>Toxicity of the Products of Biodegradation:</b>	The product itself and its products of degradation are not toxic.
<b>Special Remarks on Biodegradation:</b>	Not available.

### 13 DISPOSAL CONSIDERATIONS

<b>Disposal methods:</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
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MATERIAL SAFETY DATA SHEET

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**14 TRANSPORT INFORMATION**

**DOT Classification:** Not a DOT controlled material (United States).  
**Identification:** Not applicable.  
**Special Provisions for Transport:** Not classified as dangerous in the meaning of transport regulations.

**15 REGULATORY INFORMATION**

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

**16 OTHER INFORMATION**

**Disclaimer & Caution**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.