



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 : SILICON METAL

Synonyms:

CAS No.: 7440-21-3

Molecular Weight: 28.09

Chemical Formula: Si

Section 2 - Composition, Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Silicon	7440-21-3	90 - 100%	Yes

Section 3 - Hazardous Identification

Potential Acute Health Effects:

Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

Potential Chronic Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant).

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

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.

In case of eye contact

Flush eyes with water as a precaution.

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 dust formation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

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

Over time, pressure may increase causing containers to burst Moisture sensitive.

Section 8 - Exposure Controls, Personal Protection

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. 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

Safety glasses with side-shields conforming to EN166

Hygiene measures

General industrial hygiene practice.

Section 9 - Physical and Chemical Properties

Appearance

Form powder

Safety data

pH no data available

Melting point 1.410 °C

Boiling point 2.355 °C

Flash point not applicable

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Density 2,33 g/mL at 25 °C

Water solubility no data available

Section 10 - Stability and Reactivity

Storage stability

Stable under recommended storage conditions.

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Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

Section 11 - Toxicological Information

Acute toxicity

LD50 Oral - rat - 3.160 mg/kg

Irritation and corrosion

Eyes - rabbit - Mild eye irritation

Sensitisation

no data available

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

Additional Information

RTECS: VW0400000

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

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

Section 14 - Transport Information

ADR/RID

UN-Number: 1346 Class: 4.1 Packing group: III

Proper shipping name: SILICON POWDER, AMORPHOUS

IMDG

UN-Number: 1346 Class: 4.1 Packing group: III EMS-No: F-A, S-G

Proper shipping name: SILICON POWDER, AMORPHOUS

Marine pollutant: No

IATA

UN-Number: 1346 Class: 4.1 Packing group: III

Proper shipping name: Silicon powder, amorphous

Section 15 - Regulatory Information**Labelling according to EC Directives**

Further information:

The product does not need to be labelled in accordance with EC directives or respective national laws.

Section 16 - Additional Information

Not Regulated