

Material Safety Data Sheet

According to 91/155 EEC and ISO-Standard 11014

1,Chemical Product and Company Identification

1.1 Product name:SILICON CARBIDE(HS:28492000)

1.1 Manufacturer:Manufacturer:LUOYANG WEIXIANG ABRASIVES CO.,LTD

Address:Zhigou Pengpo Town,Yichuan County,Luoyang City,Henan Province,China.

Emergency information: 0086-0379-69935557

Department responsible for information:Quality Department

Date issued:6.15.2026

2,Composition/Information on Ingredients

COMPONENT:SILICON CARBIDE

CAS NO:409-21-2

CONTENT:SILICON CARBIDE100%

EINECS NO:206-991-8

3,Hazards Identification

Critical hazards to man and environment

EC/R:Not applicable

4,First aid Measures

4.1 Inhalation:No special action required

4.2 Skin contact:No special action required

4.3 Eye contact:Flush with plenty of water.Seek medical advice if irritation persists

4.4 Ingestion:No special action required

5,Fire Fighting Measures

5.1 General information:Not inflammable

5.2 Suitable extinguishing media:Use extinguishing measures appropriate to the source of the fire

5.3 Extinguishing media which must not be used
for safety reasons:None know

5.4 Special exposure hazards arising from the
substance itself,combustion products,
resulting gases:None know

5.5 Special protective equipment:Not applicable

6,Accidental Release Measures

6.1 Personal precautions:Avoid dust formation.Wear personal protective equipment
(see also item 8.3)

6.2 Environmental precautions:No special measures required

6.3 Methods for cleaning up:Pick up mechanically and dispose of in accordance to
Regulation

7,Handling and Storage

7.1 Handling:

Precautions for safe handling:Avoid dust formation

Precautions against fire and explosion:No danger of fire and dust explosion

7.2 Storage:

Conditions of storage rooms and vessels: No special precautionary measures

Advice of storage of incompatible materials: None

Further information for storage: None

8.Exposure controls/personal protection

8.1 Further information for system design

and engineering measures: Not applicable

8.2 Components with specific control

parameters as limit values: Observe the local bylaws in terms of fine dust (e.g.: TWA value 5 mg/m³, MAK value 4 mg/m³ (free of fibres), see also item 16)

8.3 Personal protection equipment:

General protection and hygiene measures: Observe standard industrial hygiene practice

Respiratory protection: Avoid inhaling the dust

Fine-dust mask with category P1 filter must be used if fine dust

Limits are exceeded.

Hand protection: Protective gloves are recommended

Eye protection: Safety glasses are recommended

9.Physical and Chemical Properties

9.1 Appearance:

Form: Grains, powder

Colour: Black Colour:

Odour: Odourless

9.2 Safety parameters:

Change in physical state: Does not melt

Flash point: Not applicable

Flammability: Not applicable

Ignition temperature: Not applicable

Auto flammability: Not applicable

Decomposition temperature: 2600°C

Oxidizing properties: Not applicable

Explosive properties: Not applicable

Vapour pressure: Not applicable

Specific gravity: Approx. 3.2 g/cm³

Bulk density: (700-1700) kg/m³

Solubility in water: Practically insoluble

PH value: Not applicable

Partition coefficient n-octanol/water: Not applicable

10.Stability and Reactivity

10.1 General information: The material is stable, no hazardous reactions known

10.2 Conditions to avoid: Not applicable

10.3 Materials to avoid: Not applicable

10.4 Hazardous decomposition products: Non known

11.Toxicological Information

11.1 General information: No hazardous effects known, if used properly (see also item 16)

11.2 Acute toxicity:Not known

12, Ecological information

12.1 Information on elimination

(persistence and degradability):Chemically inert and insoluble in water.

Separation by mechanical processes

(sedimentation,filtration etc.)

12.2 Behaviour in environmental compartments:No environmental problems known

12.3 Ecotoxicity:No harmful effects on water organisms anticipated

12.4 Further ecological information:No environmental problems expected,if handled and treated in accordance with standard industrial practice

13, Disposal Considerations

13.1 Material:Can be stored with domestic waste.

Observe local byelaws

13.2 Contaminated packaging:Packaging has to be emptied entirely.

Recycling of used packaging is recommended.

Local byelaws must be observed

14, Transport Information

14.1 Land transport:

GGVS/ADR-classification:Non hazardous material

GGVE/RID:Non hazardous material

14.2 Inland waterways:

GGVBisich/ADNR-classification:Non hazardous material

14.3 Maritime transport:

GGVSee/IMDG-classification:Non hazardous material

14.4 Air transport:

ICAO-TI/IATA-classification:Non hazardous material

NOT REGULATED BY IMDG

15, Regulatory Information

15.1 Classification according to EC guidelines:

Danger symbol and danger-text of the

Product:None

EC/R:None

EC/S:None

15.2 National regulations:

e.g.:(Germany)Classification according vbF:Not subjected to VbF Water pollution category:

Not water pollution(VwVwS(Germany)dated 17.05.1999,

Enclosure 3)

16, Other Information

Studies by the institute for Hygiene and Industrial Medicine of the University of Essen showed that silicon carbide possesses no toxic or carcinogenic properties.

silicon carbide is inert.

1. Inhalation studies.

2. In vitro cell tests and long term injection tests.

This information covers the safety requirements of the products exclusively and is based on current knowledge and experience. It does not represent a guarantee for properties of the described products in terms of the legal warranty regulations

The product specification is contained in a separate product data sheet.