

Section 1: Identification

1.1 Product identifier

Product Name: Silicon Carbide
Article number: No other identifiers
CAS number: 409-21-2

1.2 Recommended use and Restriction on use

Recommended use: Media for surface treatment, surface preparation and/or cleaning by impact.
Restrictions of use: Contact manufacturer.

1.3 Details of the supplier of the product information

Supplier: Guyson Corporation of U.S.A.
13 Grande Blvd.
Saratoga Springs, NY 12866
www.guyson.com
info@guyson.com

1.4 Telephone number: 518-587-7894

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

The substance is not classified as hazardous according to the Globally Harmonized System (GHS)

2.2 Label elements:

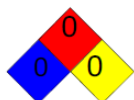
GHS Label elements:	The product is not classified as hazardous according to OSHA GHS regulations within the United States.
Hazard pictograms:	Not Regulated
Signal word:	Not Regulated
Hazard-determining components of labeling:	None
Hazard statements:	Not Regulated
Precautionary Statements:	Not Regulated

Hazard Description:

WHMIS-symbols: Not hazardous under WHMIS

Classification system:

NFPA ratings (scale 0-4)



Health = 0
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0-4)



Section 2: Hazard Identification (continued)**2.3 Other hazards:****Results of PBT and vPvB assessment:**

PBT: Not applicable

vPvB: Not applicable

Section 3: Composition / Information on Ingredients**3.1 Chemicals characterization: Substances****CAS No. Description**

409-21-2

Contains traces of C, Si, Fe₂O₃, CaO, MgO and crystalline silica where the content of the particles in respirable form is less than the limit being subject for classification. (0.1%)

Section 4: First-Aid Measures**4.1 Description of first aid measures****General Information:** No special measures required.**After inhalation:** No special action required.**After skin contact:** No special action required. Mechanical irritant, prolonged contact may cause skin abrasion. Seek medical attention if needed**After eye contact:** Immediately remove contact lenses if possible.
Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.**After swallowing:** No special action required.**4.2 Most important symptoms and effects, both acute and delayed**

Not applicable.

4.3 Indication of any immediate medical attention and special treatment needed

No specific treatment required.

Section 5: Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media agents: Use firefighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents: None

5.2 Special hazards arising from the substance or mixture

No special exposure hazards known arising from the product itself, combustion products, or resulting gases.

5.3 Advice for fire-fighters

Protective equipment: Does not require any particular methods. Use appropriate protective equipment.

Additional Information: No additional information available.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit dust formation, use disposable (P2 minimum) dust protection mask.

6.2 Environmental precautions

No special measures required.

6.3 Methods and materials for containment and cleaning up

Pick up mechanically. Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7: Handling and Storage

7.1 Precautions for safe handling

- Prevent formation of dust.
- Any deposit of dust which cannot be avoided must be regularly removed.
- Use only in well ventilated areas.
- Avoid breathing dust.
- Do not dry clean dust covered objects and floors.
- Wash thoroughly with plenty of water.

7.2 Information about protection against fire and explosion

No special measures required.

Section 7: Handling and Storage (Continued)

7.3 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by Storerooms and Receptacles:

No special requirements.

Further information about storage conditions:

Specific end use(s):

No further relevant information available.

Section 8: Exposure Controls / Personal Protection

8.1 Additional information about design of technical systems: No further data; see item 7

Control parameters:

Components with limit values that require monitoring at the workplace.

409-21-2 Silicon Carbide

	8 hours TWA (mg/m3)	
	Inhalable (total) dust	Respirable dust
France	10	5
Germany	10	3
USA (ACGIH)	10	3

8.2 Additional Information: The lists that were valid during the creation were used as basis.

8.3 Exposure Controls

- **Personal protective equipment:**



- **General protective and hygienic measures:**

Provide adequate ventilation. Mechanical ventilation may be required. Do not eat, drink or smoke during work. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The listed protective equipment is a recommendation. A risk assessment if the actual risk may lead to other requirements.

Eye/Face protection:

Eye protection: Wear approved safety goggles.

Skin protection:

Hand protection: Use gloves suitable for the work. The product is solid and cannot penetrate normal glove materials.

Skin protection (other than the hands): Wear appropriate protective clothing to protect against skin contact.

Respiratory protection:

Respiratory face protection: Use mask with N95, FFP22 or FFP3 filter in case of dust formation.

Section 9: Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Form:	Granulate
Color:	Black or Green
Odor:	Odorless
Solubility in/ Miscibility with water	Insoluble
Specific gravity :	Value: ~3.2 g/cm ³
Bulk density:	Value: 700-1700 kg/m ³
Flash point:	Not applicable
Explosive properties	Not applicable
Explosive limit	Not applicable
Spontaneous combustibility	Not applicable
Oxidizing properties	Not applicable

Section 10: Stability and Reactivity**10.1 Reactivity**

No reactivity hazards

10.2 Chemical stability

The material is stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Not applicable.

10.5 Incompatible materials

Not applicable.

10.6 Hazardous decomposition products

Not applicable.

Section 11: Toxicological Information

11.1 Information on toxicological effects

No hazardous effects known, if used under normal conditions.

“Non-fibrous forms of SIC, sometimes referred to as “angular” particles, are irregular in shape and occur as respirable and non-respirable particles. The non-fibrous forms of SIC have very low toxicity in humans and experimental animals. The TLV-TWA for non-fibrous forms is therefore set at the level of “poorly” soluble particles, not otherwise specified (PNOS), being 10 mg/m³ for inhalable particles, and 3mg/m³ for respirable particles.” (ACGIH toxicology review 2001)

Acute toxicity No harmful effects identified.

Irritation No harmful effects identified.

Corrosivity No harmful effects identified

Sensitization No harmful effects identified

Repeated dose toxicity No harmful effects identified

Carcinogenicity: No harmful effects identified

Mutagenicity: No harmful effects identified

Toxicity for reproduction: No harmful effects identified

Section 12: Ecological Information

12.1 Toxicity

No harmful effects identified, based on available data

12.2 Persistence and degradability

Chemically inert and insoluble in water; separation by mechanical processes (sedimentation, filtration, etc..)

12.3 Bio accumulative potential

No potentials known

12.4 Mobility in soil

No environmental problems known.

12.5 Other adverse effects

No environmental problems expected if handled in accordance with standard industrial practice.

Section 13: Disposal Considerations**13.1 Waste Treatment Methods:**

- **Recommendation:**
Not classified by hazardous waste; observe local by-laws.
- **Packaging:**
Packaging has to be emptied entirely; recycling of used packaging is recommended.

Section 14: Transport Information**14.1 UN-Number**

DOT, ADR, ADN, IMDG, IATA: Not regulated

14.2 UN-proper shipping name

DOT, ADR, ADN, IMDG, IATA: Not regulated

14.3 Transport hazard class(es)**DOT, ADR, ADN, IMDG, IATA**

Class Not regulated

14.4 Packaging group

DOT, ADR, IMDG, IATA Not regulated

14.5 Environmental hazards:

Marine pollutant No

14.6 Special precautions for user:

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:

Not applicable

UN "Model regulation"

Section 15: Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
SIC is not classified as a hazardous substance

Labeling according to 67/548/EEC, 1999/45/EC, Regulation EC 1272/2008 and OSHA GHS (US) is not required. All ingredients are listed on TSCA (Toxic Substance Control ACT)
None of the substances are listed in Proposition 65 (California)

15.2 Chemical Safety Assessment

Not applicable.

Section 16: Other information

The indications made in this product information are based on the present state of our know-how and experience. The product information describes the unused product in view of safety requirements. The indications do not constitute any guarantee with regard to product and do not create a contractual legal relationship.

All information given above refer to the unused product. As a result of mechanical application changes in the chemical and physical properties could not be excluded. The chemical and physical properties of the waste, strongly depend on the conditions of use. All indications made in this product information concerning composition, dangers, first aid, fire-fighting measures, accidental release measures, handling and storage, exposure control and personal protection, physical and chemical properties, stability and reactivity, toxicological information, ecological information, disposal information, transport information and regulatory information are only valid for the unused product and not for abrasive waste.

It is the responsibility of the user to find out all the necessary information.