

INFORMATIONS CONCERNANT LE FOURNISSEUR DE LA FDS :

Préparation :

Code produit : 99900028
Désignation : Black Silicon Carbide
Utilisation : Refractories, abrasives, steel manufacturing, ceramics.

Identification de la Société :

Raison Sociale: Cookson-CLAL
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Numéro d'appel d'urgence :

N° ORFILA (INRS) : + 33 (0)1 45 42 59 59 - <http://www.centres-antipoison.net>
Ce numéro permet d'obtenir les coordonnées de tous les centres Antipoison Français.
Ces centres antipoison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d'appel), 24 heures sur 24 et 7 jours sur 7.



SILICON CARBIDE

Black or Green

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1 – Identification of the substance

Product Name: Silicon Carbide
Chemical Name: SIC
Cas N°: 409-21-2
Reach Registration n°: 01-2119402892-42-0014

Relevant identified uses of the substance or mixture and uses advised against:

Identified uses of the substance: Refractories, abrasives, steel manufacturing, ceramics.
 Not recommended uses of the substances: Other than the identified uses indicated above.

2 – Hazards identification

Classification of the substance or mixture

CLP regulation EC 1272/2008 Not classified.
 OSHA GHS (US) Not classified.

Label elements

Not required under Regulation EC 1272/2008 and OSHA GHS (US).

Other hazards

SIC does not fulfil the criteria for the classification as PBT or vPvB.

NFPA Hazard rating: Reactivity: 0
 Flammability: 0
 Health: 0

WHMIS: Not Hazardous.

3 – Composition/information on ingredients

Substances

Contains SiC (EC N° 206-991-8, CAS n° 409-21-2) in the 75-99 %

Contains traces of C, Si, Fe₂O₃, CaO, MgO and crystalline silica where the content of particles in respirable for is less than the limit being subject for classification . (<0,1%)

4 – First Aid Measures

Description of first aid measures:

Inhalation:	No special action required.
Skin contact:	No special action required. Mechanical irritant, prolonged contact may cause skin abrasion. Seek medical attention if needed.
Eye contact:	Flush with plenty of clean water. Mechanical irritant, contact may cause tearing and redness. Seek medical advice if irritation persists.
Ingestion:	No special action required.

Most important symptoms and effects, both acute and delayed:

Not applicable.

Indication of any immediate medical attention and special treatment needed:

No specific treatment required.

5 – Fire Fighting Measures

Extinguishing media

General information:	Not inflammable.
Suitable extinguishing media:	All extinguishing agents can be used.

Special hazards arising from the substance or mixture

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

Advice for firefighters, specific firefighting methods, protection of fire fire-fighters

Dos not require any particular methods.
Use appropriate protective equipment.

6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions

Avoid release to the environment.

Methods and material for containment and cleaning up

Pick up mechanically and dispose of in accordance to regulations.

Reference to other sections

See also section 7 and 8.

7- Handling and Storage

Precautions for safe handling

Technical measures:	Ensure areas are well ventilated. Minimize dust formation.
Precautions to be taken:	For operations generating dust: wear N95, FFP2 or FFP3 mask.

Conditions for safe storage, including any incompatibilities

No special precautionary measures.

Specific end use(s)

See section 1.

8 – Exposure Controls / Personal Protection

Control parameters

	8 hours TWA (mg / m ³)	
	Inhalable (total) dust	Respirable dust
France	10	5 (respirable aerosol)
Germany (TRGS 900)	10	1.25
USA (ACGIH)	10	3

Exposure control



Occupational exposure controls:	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 of the actual risk may lead to other requirements.
Eye protection:	Wear approved safety goggles.
Hand protection:	Use gloves suitable for the work. The product is solid and cannot penetrate normal glove materials.
Skin protection:	Wear appropriate protective clothing to protect against skin contact.
Respiratory protection:	Use mask with N95, FFP2 or FFP3 filter in case of dust formation.

9 – Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state:	Powder, grains.
Odor:	None.
Color:	Green, dark green and black.
Solubility in 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.
Explosion limit:	Not applicable.
Spontaneous combustibility:	Not applicable.
Oxidizing properties:	Not applicable.

Other information

Physical and chemical properties:	Dustiness < 0,1 % according to EN 15051 standard.
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10 – Stability and Reactivity

Reactivity:	No reactivity hazards.
Stability:	Stable under normal temperature conditions.
Possibility of hazardous reactions:	No hazardous reactions known.
Conditions to avoid:	Not applicable.
Incompatible materials:	Not applicable.
Hazardous decomposition product:	Not applicable.

11 – Toxicological Information

Information on toxicological effects

General information:	No harmful effects identified, based on available data.
(a) Acute toxicity:	No harmful effects identified, based on available data.
(b) Irritation:	No harmful effects identified, based on available data.
(c) Corrosivity:	No harmful effects identified, based on available data.
(d) Sensitization:	No harmful effects identified, based on available data.
(e) Repeated dose toxicity:	No harmful effects identified, based on available data.
(f) Carcinogenicity:	No harmful effects identified, based on available data.
(g) Mutagenicity:	No harmful effects identified, based on available data.
(h) Toxicity for reproduction:	No harmful effects identified, based on available data.

12 – Ecological information

Toxicity:	No harmful effects identified, based on available data.
Persistence and degradability:	Chemically inert and insoluble in water, separation by mechanical processes (sedimentation, filtration, etc...).
Bioaccumulative potential:	No potentials known.
Mobility in soil:	No environmental problems known.
PBT and vPvB assessment results:	No PBT or vPvB substance.
Other adverse effects:	No environmental problems expected, if handled and treated in accordance with standard industrial practice.

13 – Disposal Considerations

Waste treatment methods

Material:	Not classified as hazardous waste; observe local bye-laws.
Packaging:	Packaging has to be emptied entirely, recycling of used packaging is recommended; local bye-laws must be considered.

14 – Transport information

UN number:	Not applicable, non-hazardous material.
UN proper shipping name:	Not applicable, non-hazardous material.
Transport hazard class(es):	Not applicable, non-hazardous material.
Packing group:	Not applicable, non-hazardous material.
Environmental hazards:	Not applicable, non-hazardous material.

15 – Regulatory information

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

SiC is not classified as a hazardous substance.

Labelling according to 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).

16 – Other Information

Restrictions of use: This product must not be used for applications other than those indicated in section 1.

Supplier's notes: The information contained in this MSDS must be made available to all those who handle the product.

This sheet completes the technical sheets but it does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith.

The attention of the user is drawn to the risks possibly incurred by using the product for any other purpose than that for which it was intended.

This does not in any way excuse the user from knowing and applying all the regulations governing his activity.

It is the sole responsibility of the user to take all precautions required in handling the product.

The mandatory regulations mentioned are only intended to help the user to fulfil his obligations regarding the use of hazardous products.

This listing must not be considered exhaustive. It does not exonerate the user from ensuring that other legal obligations than those mentioned do not exist, relating to the use and storage of the product for which he solely is responsible.

English	Français	Deutsch	Español	中文	
Wear safety glasses; wash with large amount of water in case of eyes contact.	Utiliser des lunettes de sécurité; laver à grande eau en cas de contact oculaire.	Sicherheitsbrille tragen; Nach Augenkontakt mit viel Wasser auswaschen.	Utilizar gafas de seguridad. Lavar los ojos con abundante agua en caso de contacto ocular.	请佩戴防护眼镜；万一眼中注入了碳化硅请用大量清水进行冲洗。	
Protective gloves are recommended.	Les gants de protection sont recommandés.	Schutzhandschuhe werden empfohlen.	Se recomienda el uso de guantes.	请佩戴防护手套。	
Minimize dust generation when handling & processing; comply with applicable dust exposure limits; if necessary use local exhaust ventilation and respiratory protection.	Eviter la production de poussières; se conformer aux valeurs limites d'exposition; si nécessaire utiliser la ventilation locale et la protection respiratoire.	Staubzeugung während der Handhabung u. Verarbeitung vermeiden; die gültigen Staubbelastungsgrenzen einhalten; wenn nötig lokale Absaugventilatoren und Atemschutz verwenden.	Evitar la generación de polvos; cumplir con los límites de exposición para polvos. Si fuese necesario, utilizar ventilación y protección respiratoria adecuada.	在搬运和加工过程中请尽可能减少灰尘产生；不同工作场所应遵循与工作现场相适应的有关灰尘暴露限制规定；如果必要，请尽量使用移动通风排气装置，佩戴防护口罩。	
Products may contain traces of respirable crystalline silica far below the 0.1% regulatory limit.	Ce produit peut contenir des traces de silice cristalline alvéolaire, bien en dessous du seuil réglementaire de 0.1%.	Produkte können Spuren weit unterhalb des vorgeschriebenen Grenzwertes von 0.1% der einatembaren kristallinen Kieselsäure enthalten.	Los productos pueden contener trazas de silice cristalina respirable por debajo del límite admisible del 0.1%.	产品可能含有微量可吸入的低于正常限值0.1%的硅粉。	
Refer to Material Safety Data Sheet (MSDS).	Consulter la Fiche de Données de Sécurité.	Siehe Sicherheitsdatenblatt.	Consultar las hojas de seguridad del material.	参见产品的相关化学品安全技术说明书。	