

MATERIAL SAFETY DATA SHEET



NORTON

Silicon Carbide (SiC)

Loose Abrasive Grain

Covering :

Silicon Carbide Abrasive Grain Grade P16 to Grade P2000

Saint-Gobain Abrasives Limited

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SUPPLIER

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PRODUCT IDENTIFICATION

Product Name :
Chemical Formula:
Main Uses:

Silicon Carbide Abrasive Grain
SiC
(i) Abrasive component in coated and bonded abrasives.
(ii) For mechanical abrading of work-pieces by surface blasting
or vibratory and rotary tumbling.
(iii) Used to create a durable non-slip surface on walkways.

Australian Code of Transport
of Dangerous Goods:

Not Applicable - not classified as a hazardous material.

PHYSICAL DATA

Appearance:

Dark grey to black durable granular particles of uniform graded
size. (Graded according to FEPA 'P' Grading system)

Boiling Point:

Melt point 2700°C

Specific Gravity:
Vapor Pressure:
Solubility in Water:
Flashpoint:
Flammability Limit:
Odour:

3.217
Not Applicable
Insoluble
Not Applicable
Non Flammable
NIL

HAZARDOUS INGREDIENTS

CHEMICAL ENTITY

CAS NUMBER

PROPORTION (W/W)

There are no hazardous ingredients in this material—toxic impurities are not present.
Silicon content is chemically combined. (Inert)

HEALTH HAZARD INFORMATION

Health Effects:

Not Applicable in form supplied

PRECAUTIONS FOR USE

Exposure Standards:

No specific limits for exposure to this product exist.

The following limits for inspirable dust which may be generated by the product during use.
TLV/TWA of inspirable dust is 10 mg/m³.

Engineering Controls:

Blasting Operations.

Product must be used with a correctly designed and maintained machine in accordance
with the manufacturer's instructions.

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Personal Protection:

Personal safety procedures should be in accordance with the general principles for safe working in industry dependant on application.

For blasting operations:

The operator shall wear suitable eye protection. (Mandatory)

Safety aprons, gloves, safety shoes and other protective clothing should be worn as required by the nature of the operation.

Where the operator is exposed to dust being generated the operator should wear an appropriate dust mask.

Hearing protection is recommended for any blasting operations.

Flammability:

The material is non flammable.

SAFE HANDLING INFORMATION**Storage and Transport:**

The product is very durable so there is no specific requirement to protect from mechanical shock damage.

Silicon Carbide grain is not affected by temperature and humidity variations.

Acceptable packaging is in plastic lined, double thickness heavy duty paper, or polypropylene woven bags or other suitable container.

Transportation of 250 kgs or more should be palletised where possible and practical.

Spills and Disposal:

The material is non hazardous—use any convenient and logical method for handling spills.

Dispose of excess or used material in an approved landfill in accordance with local regulations.

No special requirements apply.

Fire and Explosion Hazards:

The material is a non flammable solid. There are no fire or explosion hazards associated with this material.

Silicon Carbide will not react with water or fire foam.

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