

MATERIAL SAFETY DATA SHEET



NORTON

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Aluminium Oxide (Al_2O_3)

Loose Abrasive Grain

Covering :

Aluminium Oxide Abrasive Grain Grade P16 to Grade P2000

Saint-Gobain Abrasives Limited

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MSDS No. 175

Date of issue: FEB 1999

SUPPLIER

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PRODUCT IDENTIFICATION

Product Name : Aluminium Oxide Abrasive Grain
Chemical Formula: Al_2O_3
Main Uses: (i) Abrasive component in coated and bonded abrasives.
(ii) For mechanical abrading of work-pieces by surface blasting.
(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: Mid Brown durable granular particles of uniform graded size.
(Graded according to FEPA 'P' Grading system)
Boiling Point: Melt Point 2000°C Boiling Point 2980°C
Specific Gravity: 3.965
Vapor Pressure: Not Applicable
Solubility in Water: Insoluble
Flashpoint: Not Applicable
Flammability Limit: Non Flammable
Odor: NIL

HAZARDOUS INGREDIENTS

CHEMICAL ENTITY

CAS NUMBER

PROPORTION (W/W)

There are no hazardous ingredients in this material—toxic impurities are not present.

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 operation.

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.

Aluminium Oxide 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.

Aluminium Oxide will not react with water or fire foam.

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