

MATERIAL SAFETY DATA SHEET

ALUMINIUM OXIDE Al_2O_3

Not classified as hazardous According to Criteria of Worksafe Australia

IDENTIFICATION

Product Name: Alodur®	U.N. Number: Not applicable
Trade Name: Aluminium Oxide	Definition: Aluminium Oxide (Al_2O_3)
Manufacturer: Treibacher Schliefmittel AG	Hazchem Code: Not applicable
Risk: Not applicable	Other Names:
Manufacturers Code: Size Designations	Poisons Schedule: Not applicable
CAS No: 1344 – 28 – 1	EINECS No: 215 – 691 - 0

Use

Blasting media for wet or dry blasting.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Grains, powder
Colour:	Brown, bluish, grey, black, white, pink
Odour:	Odourless

Safety Parameters:

Change in physical state:	Melting point approx. 2000°C
Flash point:	N/A
Flammability:	N/A
Ignition temperature:	N/A
Auto-flammability:	N/A
Oxidizing properties:	N/A
Explosive properties:	N/A
Explosive limits:	N/A
Vapour pressure:	N/A
Specific gravity:	approx. (3700 – 4500) kg/m^3
Bulk density:	(500 – 2500) kg/m^3
Solubility in water:	Insoluble
pH value:	N/A
Partition co-efficient n-octanol/water:	N/A

HAZARDS IDENTIFICATION / STABILITY AND REACTIVITY

Critical hazards to man and environment:	None
General information:	The material is stable, no hazardous reactions known
Conditions to avoid:	N/A
Materials to avoid:	N/A
Hazardous decomposition products:	Not known

HEALTH HAZARD / PERSONAL PROTECTION INFORMATION

First Aid Measures

Inhalation:	No special action required
Skin contact:	No special action required
Eye contact:	Flush with plenty of water. Seek medical advice if irritation persists
Ingestion:	No special action required

Personal Protection / Exposure Controls

Further information for system design and engineering measures:	N/A
Components with specific control parameters as limit values:	Observe the local bylaws in terms of fine dust (eg. TWA value 10 mg/m ³ ; MAK value 6 mg/m ³)

Personal protection equipment:

General protection and hygiene measures:	Observe standard industrial hygiene practice.
Respiratory protection:	Avoid inhaling the powder 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.

Toxicological information

General information:	No hazardous effects known No free silica included
Acute toxicity:	Not known

Fire Fighting Measures

General information:	Not inflammable
Suitable extinguishing media:	Use extinguishing measures appropriate to the source of the fire
Extinguishing media which must not be used for safety reasons:	None known
Special exposure hazards arising from the substance itself, combustion products, resulting gases:	None known
Special protective equipment	N/A

PRECAUTIONS FOR USE

Personal precautions:	Avoid dust formation (see also personal protection)
Environmental precautions:	No special measures required
Methods for cleaning up:	Take up mechanically and dispose of in accordance to regulations

HANDLING AND STORAGE INFORMATION

Handling:

Precautions for safe handling:	Avoid dust formation
Precautions against fire and explosion:	No danger of fire and dust explosion

Storage:

Conditions of storage rooms and vessels:	No special precautionary measures
Advice of storage of incompatible materials:	
Further information for storage:	None

ECOLOGICAL AND DISPOSAL INFORMATION

Information on elimination (persistence and degradability):	Chemically inert and insoluble in water. Separation by mechanical processes (sedimentation, filtration etc.)
Behaviour in environmental compartments:	No environmental problems known
Ecotoxicity:	None known
Further ecological information:	No environmental problems expected
Material:	Can be disposed with domestic waste. Observe local by-laws.
Contaminated packaging:	Can be disposed with domestic waste. Observe local by-laws.

TRANSPORT INFORMATION

Storage & Transport:	Care should be taken to avoid dusting
Spills & Disposal:	Spillage may result in slippery conditions
Fire/Explosion Hazard:	None
Other Information:	(Materials to Avoid) - Hydrofluoric Acid

Use standard good manufacturing practices when handling material.

CONTACT POINT

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