

Safety Data Sheet (EG) Nr. 1907/2006



SDS Date of Preparation: 17.01.08

SDS Date of Preparation: 25.01.17

· Date of last revision: 25.01.17

1. Material/product use and manufacturer contact information

Trade name:

Corundum:	Abbreviated:
White/Pink Corundum	EK, EKW / EKR
Brown Corundum	NK
Mixed Corundum	M / MX
Platelet Corundum	PLK

Material/product use:

Heat-resistant and ceramic applications
Production of filling material
Production of wear-resistant materials
Surface treatment
Production of abrasives for use in grinding, polishing, blasting

Manufacturer contact information

Manufacturer:	Wester Mineralien GmbH Heerstr. 41 D-53347 Alfter - Witterschlick
Tel.:	+49 (0) 228 / 98720-0;
Fax:	+49 (0) 228 / 9872011;
e-mail:	info@wester-mineralien.de
Information will be provided by:	Quality Assurance Department
Emergency information telephone:	0228 / 19240

2. Identification of potential hazards:

Classification of the material or mixture classification according to order (EC) No. 1272/2008 (CLP)

This material does not fulfil the criteria for the classification according to the order No. 1272 / in 2008 / the EC. Classification according to directive in 1999 / 45 / the EC (DPD). The most important injurious physical chemical effects, effects on the human health and the environment Repeated inhaling of bigger dust amounts for a longer period raises the risk for illnesses of the lung. The product penetrates directly about the oral cavity or nasal cavity.

3. Composition / information on component parts:

Chemical description (individual substance):

Designation under EU Directive:	Aluminium oxide (Al ₂ O ₃)
CAS No.:	1344-28-1
EINECS No.:	215-691-6
Reach Referenz Nr.:	01-2119529248-35-0139

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4. First-aid measures

After inhalation:

No particular measures required.

After skin contact:

No particular measures required.

After eye contact:

On coming into contact with someone's eyes immediately begin rinsing eyes out with running water and continue with eyes open for 10 to 15 minutes.

After swallowing:

No particular measures required.

5. Fire-fighting measures

General information:

The product itself is not flammable.

Suitable way of extinguishing fire:

Adapt fire-extinguishing measures to the circumstances in question.

Unsuitable way of extinguishing fire for safety reasons:

None known.

Dangers posed by the material or product itself, its combustion products, or gases given off:

None known.

Protective equipment:

None.

6. Measures to be taken in cases of accidental release

Precautionary measures to be taken to protect people:

Avoid stirring up dust.

Protective equipment to be worn:

(See Section 8.3)

Environmental measures to be taken:

No specific measures.

Clean-up procedures:

Take up by mechanical means and dispose of waste material in accordance with environmental regulations.

7. Handling and storage

Handling:

Measures to be taken with a view to safe handling of the material in question:

Avoid stirring up dust.

Measures to be taken with regard to the use of equipment and protective systems for fighting fires and working in explosive atmospheres:

No particular fire-fighting measures required.

Storage:

Storage room and container specifications:

Does not apply.

Information with regard to joint storage:

Does not apply.

Further information on storage conditions:

Does not apply.

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8. Exposure limits and protective equipment

Additional information on the design/configuration of technical installations:

Does not apply.

Substances for which workplace exposure limits have been set and must be monitored

National regulations on fine dust concentrations must be respected (e.g. TWA: 10mg/m³; MAK: 6mg/m³, see Section 16)

Protective equipment:

Respiratory protection:

Dust mask needed only if dust is being stirred up. Fine dust mask providing protection level P1 necessary only if MAK value is exceeded.

Hand protection:

Protective gloves.

Eye protection:

Protective goggles.

9. Physical and chemical properties

Appearance:

Form:

Granular or powder.

Colour:

White, pink, brown, multicoloured.

Odour:

Odourless.

Safety-relevant data:

Change of state:

Melting point at about 2000 °C.

Flash point:

Does not apply.

Ignitability:

Does not apply.

Ignition temperature:

Does not apply.

Spontaneous ignitability:

Does not apply.

Danger of explosion:

Does not apply.

Explosion limits:

Does not apply.

Vapour pressure:

Does not apply.

Density:

3,7-4,5 g/cm³

Bulk density:

500-2500 kg/m³ depending on particle-size distribution

Water solubility:

insoluble

pH value:

Does not apply.

n-octanol-water partition coefficient:

Does not apply.

10. Stability and reactivity:

General:

Under proper storage and handling conditions:

No known dangerous reactions.

Conditions to avoid:

None.

Substances to avoid:

None.

Dangerous decomposition products:

None known.

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11. Toxicological information:

General:

Given proper use and normal levels of hygiene in the workplace Corundum can be handled without danger to human health. This judgement is based on practical experience with people in the workplace.

Acute toxicity

None known.

12. Ecological information:

Information on elimination from the environment (persistence and degradability):

Behaviour in environmental compartments:

Ecotoxic effects:

Further ecological information:

Chemically inert and water insoluble, mechanical separation processes (e.g. sedimentation, filtration).

No known environmental problems.

A detrimental effect on water organisms is not to be expected.

No environmental problems are to be expected as long as this substance is handled properly and used correctly.

13. Information on waste disposal:

Product:

Disposal in accordance with environmental regulations.

Uncleaned packaging

Completely empty packaging can be recycled.

Waste key numbers:

Number	Description	Group
120117	Waste materials from blasting abrasives except for those that fall under 120116.	Waste materials from processes that involve the mechanical shaping of objects as well as physical and mechanical surface treatment of metals and plastics.
101203	Particles and dust	Waste materials from the manufacture of ceramic products and building materials such as bricks, tiles, and stoneware.
120121	Used abrasives for honing and grinding with the exception of those that fall under 120120	Waste materials from processes that involve the mechanical shaping of objects as well as physical and mechanical surface treatment of metals and plastics.
101208	Waste materials from the manufacture of ceramic products, bricks, tiles, and stoneware.	Waste materials from the manufacture of ceramic products and building materials such as bricks, tiles, and stoneware.

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14. Transport information:

Land transport

GGVS / GGVE

ADR / RID

Not a hazardous material.

Not a hazardous material.

Transport on inland waterways

ADN / ADNR

Not a hazardous material.

Transport by sea

IMDG / GGV sea code

UN number

Not a hazardous material.

This information not available.

Transport by air

ICAO / IATA

UN / ID number

Not a hazardous material.

This information not available.

15. Regulations

Labelling in accordance with EC directives.

Product code letter and hazard classification:

EC / R:

EC / S:

Does not apply.

Does not apply.

Does not apply.

National regulations:

Hazard classification under VbF:

Water endangerment classification:

Not subject to this regulation.

Does not constitute a danger to water under VwVwS of 27 July 2005, Annex 1)

INTERNATIONAL INVENTORIES

US EPA Toxic Substances Control Act (TSCA)

Status: All of the components of this product are listed on the TSCA inventory or exempt

Canadian Environmental Protection Act:

All of the components in this product are listed on the Domestic Substances List (DSL) or exempt.

16. Other information:

To the best of our knowledge the information given in this Safety Data Sheet corresponds to the facts that were available at the time it went to print. This information is intended to provide a solid basis for being able to safely handle, process, transport, and dispose of the product it deals with. This information is not transferable to other products. If the product dealt with in this Safety Data Sheet is mixed or processed with other materials or otherwise modified in some manner, the information in this Safety Data Sheet cannot automatically be transferred to the new material that is produced in this way.