



Material Safety Data Sheet

according to XXV/2000

Identification of the substance: White Fused Alumina (Al₂O₃) Ctn.:2818101000

1. Identification of the substance/manufacturer

- 1.1 Identification of the substance: White Fused Alumina (Al₂O₃)
Commercial product name: HUNGAKOR
- 1.2 Manufacturer: MOTIM Electrocorundum Ltd.
9200 Mosonmagyaróvár
Timföld út 1.
- 1.3 Telephone: +36 96 574-116 Telefax: +36 96 574-280 e-mail: corundum@motim.hu

2. Chemical composition:

Chemical characterization of the substance :

Chemical formula: Al₂O₃

Chemical composition: Al₂O₃ content minimum 99 %

CAS-No.: 1344-28-1

EINECS No.: 215-691-6

3. Hazard identification:

Hazard identification according to labour hygiene and environmental aspects.

EC/R: Non hazardous substance.

4. First aid measures:

- 4.1 Eye contact:
In case the material gets into the eye rinse with full water needed keeping the lids open and the eyeball moving. Seek medical advice if irritation persist.
- 4.2 Inhalation:
No any special action required.
- 4.3 Ingestion:
No any special action required.
- 4.4 Skin contact:
No any special action required.

5. Fire fighting measures:

The substance is not inflammable and explosive. Fire hazard classification: E

- 5.1 Extinguishing media: Not applicable.
- 5.2 Special actions required in case of fire: Not applicable.
Hazardous gases from fire: Not applicable.

6. Accidental release measures:

- 6.1 Personal precautions:
Dust formation must be avoided. Wear individual protective equipment (see also item 8.3).
- 6.2 Environmental precautions:
No any special measurement required.

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- 6.3 Methods of cleaning up:
The material can be picked up mechanically and disposed of observing the local regulations.

7. Handling and storage:

- 7.1 Handling:
Precautions for safe handling: Avoid dust formation.
Precautions against fire and explosion: No possible danger of fire and dust explosion.
- 7.2 Storage:
Condition of storage rooms and tanks: No any special precautions required.
Further information of storage: Not applicable.

8. Exposure controls and personal protection:

- 8.1 Further regulations of system design and engineering: Not applicable.
- 8.2 Labour hygienic limit values:
There is no regulation specifically referring to White Fused Alumina. The local bylaws of fine dust should be observed (e.g. TWA value: 10 mg/m³; MAK value: 6 mg/m³).
- 8.3 Individual protection:
General protection and hygiene measures:
Standard industrial hygiene practice is authoritative.
Respiratory protection: Inhaling the dust should be avoided. Fine-dust mask with category P1 filter must be used in case the fine dust limits are exceeded.
Hand protection: Protective gloves are recommended.
Eye protection: Safety glasses are recommended..

9. Physical and chemical properties:

- 9.1 Appearance
Form: grains, powder
Colour: white,
Odour: Odourless
- 9.2 Safety parameters
Change in physical state: melting point aprox. 2,000 °C
Boiling point (°C): Not applicable.
Flash point (°C): Not applicable.
Ignition temperature (°C): Not applicable.
Explosive limits: Not applicable.
Vapour pressure: Not applicable.
Specific gravity: 3,7-4,5 kg/dm³
Balk density: 1,5-2,5 kg/dm³
pH-value: 7,0-7,1

Solubility in water: Practically insoluble.
Partition coefficient n-octanol / water: Not applicable.



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10. Stability and reactivity:

- 10.1 General information: The material is stable there is no hazardous reaction known.
- 10.2. Conditions to avoid: Not applicable.
- 10.3. Hazardous decomposition products: Not applicable.

11. Toxicological information:

- 11.1 General information:
There is no hazardous effect in case of proper use. The material does not contain free silica.

12. Ecological information:

- 12.1 Information on elimination:
The material chemically inert and insoluble in water. Separation is possible by mechanical processes (sedimentation, filtration etc.).
- 12.2. Ecotoxicity:
No any harmful effects on water organisms anticipated.
- 12.3 Further ecological information:
Environmental problems are not expected in case of handling and treatment in accordance with standard industrial practice.

13. Disposal:

- 13.1 Material:
The material can be stored with domestic waste in accordance with the authoritative local byelaws.
- 13.2 Contaminated packaging:
The used packaging should be emptied entirely. Recycling of the used packaging is recommended observing the local byelaws.

14. Transport information:

- 14.1 Land transport:
GGVS/ADR classification: Non hazardous material.
GGVE/RID classification: Non hazardous material.
- 14.2 Inland waterways:
GGVBisch/ADNR classification: Non hazardous material.
- 14.3 Maritime transport:
GGVSee/IMDG classification: Non hazardous material.
- 14.4 Air transport:
ICAO-TI/IATA classification: Non hazardous material.

15. Regulatory information:

- 15.1 Classification according to EC guidelines:
Regulations regarding to labelling of the material: Not applicable.
EC/R: Non hazardous material.
EC/S: Non hazardous material.



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16. Further information:

The current labour hygiene and authoritative regulations should be observed. The presented information is based on the available literature and the experiences of the manufacturer. The MSDS includes information exclusively in regards of the safety aspects of the relevant material.

Mosonmagyaróvár, 18.10.2002

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signature