

Health and Safety Data Sheet

1. PRODUCT(S) :
ALUMINIUM OXIDE-WHITE FUSED ALUMINA-TYPES EKF/EKR-A
CAB : 1344-28-1
EINECS : 215-691-6 Aluminium Oxide Al₂O₃
2. GENERAL DESCRIPTION Abrasive and refractory synthetic aggregate
COMPOSITION
Al₂O₃ 99.600%
TiO₂ 0.006%
Fe₂O₃ 0.035%
CaO 0.010%
SiO₂ 0.023%
Na₂O 0.150%
3. HAZARDS IDENTIFICATION None specified
4. FIRST AID
 - 4.1 Skin contact - no harmful effects, wash with soap and water.
 - 4.2 Eye contact - sharp particles can cause irritation. Flush with clean water and seek medical advice if irritation continues.
Use suitable eye protection as required.
 - 4.3 Inhalation - no toxic effects. Classified as nuisance material.
 - 4.4 Ingestion - no toxic effects. treat symptomatically and seek medical advice as necessary.
5. FIRE FIGHTING - no special precautions necessary.
6. ACCIDENTAL RELEASE MEASURE
 - Clean spillages as appropriate.
 - Use vacuum cleaner for fine aggregate sizes.
7. HANDLING & STORAGE
 1. Avoid creating unnecessary exceed dust during handling.
 2. No special storage requirements - shelf life indefinite.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION
 1. Exposure limits 10 mg/m³ total dust
(8 hour TWA) 5 mg/m³ respirable dust.
 2. Protective Equipment Use appropriate dust mask in dusty operations (avoid creating dust if possible).
Wear appropriate eye protection during handling.

9. PHYSICAL & CHEMICAL PROPERTIES
 - 9.1 Melting Point : 2050C
 - 9.2 Boiling Point : 30000C
 - 9.3 S.G : 3.95 g/cm3
 - 9.4 Solubility : Insoluble
 - 9.5 Flashpoint : non applicable
 - 9.6 Odour : White
 - 9.7 Odour : none
 - 9.8 Hazardous decomposition products none
 - 9.9 Hazardous reactions none
10. STABILITY & REACTION Material is stable and inert.
11. TOXICOLOGICAL INFORMATION Classified as non-toxic
TD Lo 90mg/kg (rat.intra-pleural)
12. ECOLOGICAL INFORMATION No specific effects
13. DISPOSAL CONSIDERATIONS No special precautions required - follow oral requirements.
14. TRANSPORT INFORMATION No specific requirements
15. REGULATORY INFORMATION Current dust exposure limits to be found in latest edition of Health & safety Executive Guidance Note EH40.
16. OTHER INFORMATION Aluminium oxide (White Fused Alumina Type.
EKNCKA-A contains no tree slice and is classified as insurance material.