Emery

Synonyms & Trade Names  Aluminum oxide, Aluminum trioxide, Corundum, Impure corundum, Natural aluminum oxide [Note: Emery is an impure variety of $\text{Al}_2\text{O}_3$ which may contain small impurities of iron, magnesium & silica Corundum is natural $\text{Al}_2\text{O}_3$.]

CAS No.  1302-74-5 (corundum)  RTECS No.  GN0231000 (corundum)  DOT ID & Guide

Formula  $\text{Al}_2\text{O}_3$  Conversion

Exposure Limits

NIOSH REL: See Appendix D  OSHA PEL: TWA 15 mg/m$^3$ (total) TWA 5 mg/m$^3$ (resp)

Physical Description  Odorless, white, crystalline powder.

See $\alpha$-Alumina for physical & chemical properties.

Incompatibilities & Reactivities

Exposure Routes  Inhalation, ingestion, skin and/or eye contact

Symptoms  Irritation eyes, skin, respiratory system

Target Organs  Eyes, skin, respiratory system

Personal Protection/Sanitation (See protection codes)  Skin: No recommendation  First Aid (See procedures)
Eyes: No recommendation  
Wash skin: No recommendation  
Remove: No recommendation  
Change: No recommendation  

Eye: Irrigate immediately  
Breathing: Fresh air  
Swallow: Medical attention immediately  

Respirator Recommendations  
Not available.

Important additional information about respirator selection  
See also: INTRODUCTION