

Product name: **AI2O3**

1. PRODUCT AND COMPANY IDENTIFICATION			
Product name	AI2O3	64.1	Date revised :2013
EC n°			
Manufacturer / distributor	DAC VISION 22 av. Joliot Curie - 17180 PERIGNY - FRANCE		
Phone number/mail	+33 5 46 27 27 24 - Fax : +33 5 46 27 14 36 - dacvision.eu@dacvision.com		
Emergency phone number	see item 16		
2. HAZARD IDENTIFICATION			
Phrase R		CLP- H	
Phrase S		CLP- P	
3. COMPOSITION, INFORMATION ON INGREDIENTS:			
Ingredient:Aluminum Oxide N°CAS: 1344-28-1 Percent: 90-100%			
4. FIRST AID MEASURES :			
Inhalation	Remove to fresh air. Get medical attention for any breathing difficulty.		
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.		
Skin contact	Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.		
Ingestion	Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice		
Environment	-		
5. FIRE FIGHTING MEASURES			
Extinguishing media	Not considered to be a fire hazard.		
Inappropriate extinguishing media			
Specific hazards			
Personal protection	Use protective clothing and breathing equipment appropriate for the surrounding fire and to protect against the aluminum oxide dust that may be dispersed in the air.		
6. ACCIDENTAL RELEASE MEASURES :			
Individual and environmental protection	Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.		
Cleaning up			
7. HANDLING AND STORAGE:			
Handling	Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids)		
Storage	observe all warnings and precautions listed for the product.		

Product name: **Al2O3**

8. EXPOSURE CONTROL / PERSONAL PROTECTION Airborne Exposure Limits:

Alumina (Aluminum Oxide):

Respiratory protection	
Hands protection	
Eye protection	Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.
Skin protection	Wear protective gloves and clean body-covering clothing.
General	

-OSHA Permissible Exposure Limit (PEL):

alpha alumina, 15 mg/m³ total dust, 5 mg/m³ respirable fraction

-ACGIH Threshold Limit Value (TLV):

aluminum oxide, 10 mg/m³ (TWA) inhalable (total) particulate m

9. CHEMICAL AND PHYSICAL PROPERTIES :

Apparence	White powder.	Decomposition temperature	
Colour		Viscosity	
Odour	Odorless.	Solubility	Insoluble in water.
pH	No information found.	Pressure of vapor	
Boiling point:	2980C (5396F)		
Melting temperature	ca. 2000C (ca. 3632F)		
Flash point			
Density	4.0 @ 20C/4C		
Inflammation temperature			

10. STABILITY AND REACTIVITY:

Stability	Stable under ordinary conditions of use and storage.
Conditions to avoid	Incompatibles.
Materials to avoid	Chlorine trifluoride, Ethylene oxide.
Decomposition products	No information found.

11. TOXICOLOGICAL INFORMATION:

Acute toxicity: No LD50/LC50 information found relating to normal routes of occupational exposure. Investigated as a tumorigen.

Inhalation		
Ingestion		
Skin contact		
Eye contact		
Chronic toxicity		
Irritation/ sensitization		

12. ECO-TOXICOLOGICAL INFORMATION:

Degradability	
Accumulation	-
Different harmful effects :	--
Effects with short and long terms	-

13. DISPOSAL:

Code EWC (European waste code)	
Contaminated containers recommendations	

14. TRANSPORT INFORMATION:

Labelling:

15. REGULATORY :

Phrase R		CLP- H	
Phrase S		CLP- P	

Product name: **AI2O3****16. OTHER INFORMATION:****EMERGENCY PHONE NUMBERS:**

FR: FRANCE: ORFILA: (00 33) 01 45 42 59 47 UNITED KINGDOM: NATIONAL CHEMICAL EMERGENCY CENTER CULHAM LABORATORY: (00 44) 01235 463076 ITALY: LABORATORI DE TOSSICOLOGIA: (00 39) 0266 10 10 17 SPAIN: SERVICIO DE INFORMACION TOXICOLOGIA: (00 34) 91 562 04 8 PORTUGAL: SEVICO TOXICOLOGIA: (00 351) 213 30 3259
GERMANY: BERATUNGSSTELLE BEI VERGIFTUNGEN: (00 49) 06131 19228:

Autre :

This information is based on the data sheet current security manufacturers and suppliers. They do not represent a guarantee of product properties. They do not teach in any case the product user to know and enforce all laws regulating its business and fulfill its obligations when using this product. Product intended for industrial use. Handle with care basic hygiene and cleanliness. Do not use for applications other than those listed on the sheet.