



Brown Corundum

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1 – Identification of the substance

Product Name : Brown Corundum
Synonym : Aluminum Oxide
Product Code :

2 – Composition / Information on ingredients

Ingrédient	Composition	N° CAS	N° EINECS	N° REACH
Aluminum Oxide (Al ₂ O ₃)	96.1 %	1344-28-1	215-691-6	01-2119529248-35-0074
Titanium dioxide (TiO ₂)	2.70 %	13463-67-7	236-675-5	
Silicon oxide (SiO ₂)	0.70 %	7631-86-9	231-545-4	
Magnesium oxide (MgO)	0.20 %	1309-48-4	215-171-9	
Calcium oxide (CaO)	0.12 %	1305-78-8	215-138-9	
Iron oxide (Fe ₂ O ₃)	0.10 %	1309-37-1	215-168-2	

3 – Hazards Identification

Explosion	No explosive hazards	Flammability	Non-flammable
Oxidization	Not an oxidizing substance	Radioactivity	Not radioactive material
Corrosion	Not corrosive	Other dangerous properties	No

4 – First Aid Measures

Skin contact	Flush with soap and water
Eye contact	Flush with flowing water and get medical attention
Ingestion	Get medical attention
Inhalation	Move to fresh air and get medical attention

5 – Fire Fighting Measures

Flash point	N/A
Flammable limits	N/A (non-flammable, non-combustible)
Fire extinguishing media	Extinguishing media appropriate for surrounding fire such as water spray, sandy soil, chemical foam or carbon oxide.

6 – Accidental Release Measures

Spill with grains	Sweep up with spade and place into a dry container for disposal.
Spill with powders	Wear face mask and vacuum immediately

7- Handling and Storage

Handling	Use handling procedures which will limit exposure to excess airborne dust.
Storage	Place in a cool, well-ventilated, covered area Keep away from ignition sources, heat and flame. Store in a tightly closed drum or bag.

8 – Exposure Controls / Personal Protection

Ventilation	Use exhaust ventilation to meet local regulatory requirements
Respiratory protection	Ensure adequate ventilation
Skin protection	Wear appropriate protective clothing and safety gloves
Eye protection	Wear face mask

9 – Physical and Chemical Properties

Appearance	Powder, grains	Solubility	Soluble in water
Color	Brown (light to dark)	Vapor pressure	N/A
Odor	Odorless	Vapor density	N/A
Boiling point	N/A	Evaporation rate	N/A
Melting point	2050°C (3700F)	Volatiles by volume	0%
Specific gravity	3.97 g/cm ³		

10 – Stability and Reactivity

Stability	Stable
Reactivity	Inert
Incompatibilities	N/A
Hazardous polymerization	None
Decomposition products	None

11 – Toxicological Information

The product is not classified as toxic or infectious substances.

12 – Ecological information

Not likely to cause air and water pollution.

13 – Disposal Considerations

Dispose in accordance with all applicable local laws and environmental regulations.

14 – Transport information

No hazards identification

15 – Regulatory information

The product is not subject to IATA DRG.

16 – Other Information

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.