

WHITE FUSED ALUMINA

IDENTIFICATION

Product Name: Brown Aluminium Oxide

Other Names:

Recommended Use:

Supplier: BlastOne International

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CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Chemical Name	Product Name/Synonyms	Molecular Formula
White Fused Alumina	WA-REF, WA-REFK, WA-RELN WAE-17, WAMB, WAHD,WAP,WAMIC	Al ₂ O ₃

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	EINECS	% by Weight	OSHA PEL (Exposure Guidelines)	
				Total (TWA)	Respirable (TWA)
Aluminum Oxide 1	1344-28-1	215-691-6	92.0-99.0	15 mg/m ³	5 mg/m ³
Impurities	Other total oxides (trace amounts)		< 1.0 %		
'Non-fibrous					

HAZARD IDENTIFICATION/POTENTIAL HEALTH EFFECTS

Emergency Overview: Dust irritating to eyes and respiratory tract.

ROUTES OF ENTRY & SYMPTOMS

Eye Mechanical eye irritant. May cause tearing and redness.

Skin Mechanical skin irritant. Prolonged contact may cause skin abrasion, redness, itching.

Sensitization No data available.

Ingestion May cause nausea and vomiting. No long-term health effects are anticipated.

Inhalation	Dust may be slightly irritating to respiratory tract. May cause coughing or shortness of breath.
Target organs	Eyes, skin, respiratory system.
Acute effects of exposure	Exposure may include persistent cough, shortness of breath.
Chronic effects of exposure	N/A
Signs & symptoms of exposure	Coughing, shortness of breath

FIRST AID MEASURES

Eyes	Flush eyes with large amounts of water. If signs/symptoms persist, seek medical attention
Skin	Wash affected area with soap and water. If signs/symptoms persist, seek medical attention
Inhalation	Remove person to fresh air. If signs/symptoms develop, seek medical attention.
Ingestion	Ingestion is an unlikely route of exposure. Leave decision to induce vomiting to qualified medical personnel, since particles may be aspirated into the lungs. Seek immediate medical attention

FIRE FIGHTING MEASURES

Flammable/combustible properties	None
Extinguishing media	Extinguisher suitable for ordinary combustible materials. Class A extinguishing agents.
Special fire fighting procedures	In fire conditions, fire-fighters should wear appropriate respiratory protection and full protective gear.
Fire & exposure hazards	Not applicable. None inherent in this product.

ACCIDENTAL RELEASE MEASURES

Personal safety precautions	Avoid creating dust. Avoid contact with skin and eyes. Use with adequate ventilation.
Environmental precautions	Ensure material is properly disposed of.
Cleanup measures	Collect spilled material mechanically and place in a suitable, compatible, properly labeled container. Avoid creating any dust. Ensure adequate ventilation and dispose of material in accordance with all applicable local, state and federal laws.

HANDLING & STORAGE

Handling	Avoid contact with skin and eyes. Wash hands before eating. Prevent the formation of dust. Handle with adequate ventilation
Storage	Normal Storage: Store in the original container in a cool, dry, well ventilated area. Keep containers tightly sealed

EXPOSURE CONTROLS & PERSONAL CONTROLS

Engineering controls	Provide sufficient mechanical ventilation to reduce airborne concentrations and minimize exposure. Maintain employee exposure below applicable permissible exposure limits.
Hygienic measures	Do not inhale dust/smoke/mist. Avoid contact with skin and eyes. Wash hands before eating.
Respiratory protection	Avoid breathing dust. Assess exposure concentrations of all materials involved in the workplace. If concentrations exceed the exposure limits listed in Section 2, Exposure Guidelines, or irritation or other symptoms are experienced, follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard 149 approved respirator.
Eye protection	Avoid eye contact. To minimise the risk of injury to eyes, always wear appropriate protective safety glasses or chemical safety goggles.
Skin protection	Avoid skin contact. Wear appropriate protective clothing to minimize risk of injury to skin from contact with dust or physical abrasion.

PHYSICAL & CHEMICAL PROPERTIES

Formula	Al₂O₃	Appearance	Brown to Black
Physical state	Solid-granular	Odour	Odourless
Boiling point	N/A	Flash point	N/A
Melting point	N/A	Decomposition temperature	N/A
pH at 20	N/A	Vapor pressure	N/A
Vapor density	N/A	Oxidising properties	N/A
Explosive properties	None	Specific gravity	3.95
Solubility	Insoluble	Bulk density	N/A

STABILITY & REACTIVITY

Chemical stability	Stable
Thermal decomposition	N/A
Incompatibility	N/A
Conditions to avoid	None known
Hazardous decomposition products	N/A
Dangerous reactions	None known
Hazardous polymerization	Will not occur

TOXICOLOGICAL INFORMATION

Cas # 1344-28-1

Component analysis
LD50/LC50

Carcinogenicity

Epidemiology

Teratogenicity

Data Not Available

Neurotoxicity

Mutagenicity

Reproductive effects

ECOLOGICAL INFORMATION

Ecotoxicity Not Available

DISPOSAL CONSIDERATIONS

Solid or chemical waste generators must determine whether a discarded waste is classified as a hazardous waste. U.S. EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local waste regulations to ensure complete and accurate classification.

TRANSPORTATION INFORMATION

U.S. dot	This product is not regulated by USDOT as a Hazardous Material (49 CFR 172.101). No UN code assigned. No placard required for transportation.
IMDG	Not regulated as a Hazardous Material.
Acao/Iata	Not regulated as a Hazardous Material.
EU (Adr, rid)	Not regulated as a Hazardous Material.

REGULATORY INFORMATION

Tsca	Aluminum Oxide is listed on the TSCA inventory under CAS# 1344-28-1
Rcra	Aluminum Oxide is not classified as a hazardous material under RCRA or its regulations, 40 CFR 261.
Cercla	Aluminum Oxide is not classified as a hazardous substance under CERCLA regulations, 40 CFR 302.
Sara	Aluminum Oxide is not an extremely hazardous substance in Section 302 and is not a toxic chemical subject to the requirements of 313.

OTHER INFORMATION

This data is based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revised: May 2022