



Material Safety Data Sheet (MSDS)

WHITE FUSED ALUMINA

In accordance with GHS Rev. 7. and The EUCLPREGULATION (EC) No 1272/2008

Section 1 - Chemical Product and Company Identification

1.1 Product Identification:

Product Name: White Fused Alumina

Product Model: /

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: White Fused Alumina

Use advised against: No data available.

1.3 Details of the Manufacture or supplier

Manufacture: Shri Balaji Minerals

Address: OKAY PLUS TOWER, Govt. Hostel - MI Road, Jaipur (Raj.) INDIA.

Telephone: +91 141 4028209

Fax: +91 141 2576492

Email: info@balajiminerals.com

1.4 Emergency telephone number

Emergency Telephone: +91 9829556777

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

This product is not classified as dangerous according to the GHS (The Globally Harmonized System of Classification and Labelling of Chemicals).

2.2 GHS Label elements, including precautionary statements

Pictogram(s): No pictogram is used.

Signal Word: No signal word is used.

Hazard Statement: No hazard statement.

Precautionary statements : No precautionary statement.

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**2.3 Description of any hazards not otherwise classified**

No additional information available.

Section 3 - Composition/Information on Ingredient

Substance () Preparation (✓) Article ()

Composition:

Chemical name	CAS No.	Content (%)	Molecular formula
Aluminium oxide	1344-28-1	99	Al ₂ O ₃
Disodium oxide	1313-59-3	0.4	Na ₂ O
Diiron trioxide	1309-37-1	0.1	Fe ₂ O ₃
Silicon dioxide	7631-86-9	0.1	SiO ₂

Abbreviation: CAS No. is Chemical Abstract Service Registry Number.

Section 4 - First Aid Measures**4.1 Description of first aid measures:****Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.**Skin Contact:** Wash off with soap and plenty of water.**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Dust in throat and nasal passages should clear spontaneously. Contact a physician if discomfort.**Ingestion:** Immediately rinse mouth and drink plenty of water. Get medical attention if irritation develops and persists or largely ingested.**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Section 5 - Extinguishing media**SHRI BALAJI MINERALS**Office 808-809-810, 8th Floor, OKAY PLUS TOWER,
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5.1 Extinguishing media

Suitable extinguishing media: Incombustible. Use extinguishing media suitable for surrounding fire.

5.2 Special hazards arising from the substance or mixture

No special fire and explosion hazard.

5.3 Advice for firefighters

As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting if necessary.

5.4 Further information

No data available..

Section 6 - Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

6.1 Personal precautions, protective equipment and emergency procedures:

Evacuate area. Ventilate area. Avoid dust generation. Avoid inhaling dust. Use suitable personal protective equipment.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up:

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. For disposal see section 13.

Section 7 - Handling and Storage

7.1 Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed.

Wear suitable personal protective equipment in section 8.

Avoid formation of dust and aerosols. Avoid inhaling dust. Avoid contact with skin and eyes.

Wash thoroughly after handling.

Do not eat, drink or smoke at the workplace.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a cool, dry and well-ventilated place.

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Section 8 - Exposure Controls, Personal Protection

8.1 Exposure Limits: Aluminium oxide(CAS#1344-28-1):
OSHA-PEL:
Total dust: 15 mg/m³;
Respirable fraction: 5 mg/m³.

8.2 Exposure controls

Engineering Control: General industrial hygiene practice. Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipment:

Respiratory Protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eyes Protection: Not required under normal usage. Use face shield and safety glasses if in-eye risk exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body Protection: In production, use normal work suit is enough.

Hands Protection: Suggest wear suitable protective gloves to avoid skin exposure.

Other Protections: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Powder or particle
Color	White
Odor	Odorless
pH	Not available.
Melting point/freezing point	Ca. 2250°C.
Initial boiling point and boiling range	Not available.
Flash point	Not applicable as not a liquid.
Evaporation rate	Not applicable as not a liquid.

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Flammability	Incombustible.
Upper explosive limit %(V/V)	Not applicable as not a flammable gas.
Lower explosive limit %(V/V)	Not applicable as not a flammable gas.
Vapor pressure	Not applicable.
Vapor density	Not available.
Relative density	Ca. 3.9 g/cm ³ .
Solubility(ies)	Insoluble in water
Partition coefficient:n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

Section 10 - Stability and Reactivity

10.1 Stability: Stable under normal storage temperature and pressure.

10.2 Conditions to Avoid: No known.

10.3 Incompatible materials: No known.

10.4 Hazardous Decomposition Products: Other decomposition products- no data available. In the event of fire:see section 5.

10.5 Possibility of hazardous reactions: None hazardous reactions known under normal condition.

Section 11 - Toxicological Information

Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	No known irritating effect.
Serious Eye Damage/Eye Irritation :	No known irritating effect.
Respiratory or Skin Sensitization	No sensitizing effects known.
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity :	None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA.
Reproductive Toxicity :	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):	No known human health effects upon single exposure.
Specific Target Organ Toxicity - Repeated	No known human health effects upon repeated exposure.

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Exposure (Globally Harmonized System):

Aspiration Hazard:	Based on available data, the classification criteria are not met.
Potential Health Effects:	
Inhalation:	Inhaling dust may cause respiratory irritation..
Skin Contact:	No irritating effect except possible mechanical stimulation.
Eye Contact:	No irritating effect except possible mechanical stimulation.
Ingestion:	May be harmful if largely ingested.

Section 12 - Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and degradability

Not applicable as Inorganic matter.

12.3 Bio accumulative potential

No bio accumulative potential

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No known ecological damage or hazard caused by this product.

Section 13 - Disposal Considerations

Waste treatment methods

Product

Non-hazardous waste. Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe according to the national and local related regulations.

Contaminated packaging

Dispose of as unused product after empty.

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Section 14 - Transport Information

14.1 UNNumber :

ADR/RID, IMO/IMDG, IATA Not regulated as dangerous goods.

14.2 UN proper shipping name:

ADR/RID, IMO/IMDG, IATA Not dangerous goods

14.3 Transport hazard class(es):

ADR/RID, IMO/IMDG, IATA Not regulated as dangerous goods.

14.4 Packing group:

ADR/RID, IMO/IMDG, IATA Not regulated as dangerous goods.

14.5 Environmental hazards: No.

14.6 Special precautions for user : No information available.

Section 15 - Regulatory Information

EU Regulations

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Not classified.

US Regulations

OSHA: OSHA Hazard Communication Standard Status: This product is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard 29 CFR 1910.1200.

USA SARA

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components (Specific toxic chemical listings)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

International Chemical Substances list:

CAS No.	EINEC	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS
All ingredients	listed	listed	listed	listed	listed	listed	listed	listed

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Note:

EINECS: European Inventory of Existing Commercial Chemical Substances

TSCA: TSCA Chemical Substance Inventory

DSL: Canada Domestic Substance List

IECSC: Inventory of Existing Chemical Substances in China

NZIoC: New Zealand Inventory of Chemicals

PICCS: Philippines Inventory of Chemicals and Chemical Substances

KECI: Korea Existing Chemicals Inventory

AICS: Australian Inventory of Chemical Substances

Section 16 - Additional Information

Abbreviations:

pH- Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology Program

IARC- International Agency for Research on Cancer

CAS#- Chemical Abstract Service number - used to uniquely identify chemical compounds

ACGIH- The American Conference of Governmental Industrial Hygienists

ADR- Agreement on Dangerous Goods by Road

IATA - International Air Transport Association

IMDG- International Maritime Dangerous Goods

Further Information:

-This safety data sheet was prepared in accordance with UN GHS Rev.7, The EU CLP REGULATION (EC) No 1272/2008, and US OSHA Hazard Communication Standards (29 CFR 1910.1200).

-The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Department Issuing MSDS: SHRI BALAJI MINERALS

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End of MSDS

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