

Material Safety Data Sheet

1. IDENTIFICATION OF THE PRODUCTS AND OF THE COMPANY

IDENTIFICATION OF THE PRODUCT

Product name : Brown Aluminium Oxide

Material Name : Brown Fused Alumina

General User Producing Grinding Wheels

2. COMPOSITION/INFORMATION ON INGREDIENTS

TRADE NAME : WHITE DOVE

Chemical Indexes : $Al_2O_3 \geq 95\%$

$SiO_2 \leq 1.5\%$

$Fe_2O_3 \leq 0.30\%$

$TiO_2 \leq 3.2\%$

3. HAZARDS IDENTIFICATION

Warning dust from this product generated by handling may cause skin, eye and respiratory track irritation. Possible hazards depend on duration and level of exposure.

Hazard ratings

Hazardous Materials Information System(HMIS) Ratings :

Health : **Hammabilityt** :0 **Rancivity** :0 **Personal Protection Index** : X Possible effects on health prolonged and repeated in halation of Brown Fused Alumina dust may cause chronic effects on respiratory system such as bronchitis, asthma, and emphysema signs

And symptom of excessive exposure :

Eye contact physical irritation

Skin contact physical irritation

Ingestion temporary irritation to gastrointestinal tract

Inhalation pulmonary dysfunction

4. FIRST AID MEASURES

EYE CONTACT:

If eyes become irritated, wash immediately with large amounts of lukewarm water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing.

Do not rub eyes. Get medical attention if irritation persists.

SKIN CONTACT:

If skin becomes irritated, do not rub or scratch exposed skin. Wash area of contact thoroughly with soap and water. Using a skin cream or lotion after washing may be helpful. Change into clean clothing

INGESTION:

Relocate affected individual to an environment of clean and fresh air. Drink plenty of water seek medical help if symptoms persist.

INHALATION:

Remove affected individual to a dust free place, seek medical help if irritation persists.

Notes to physicians : skin and respiratory effects are the result of mechanical irritation : fiber exposure does not result in allergic manifestations.

5. FIRE FIGHTING MEASURES

Non-combustible (does not burn) product .

Auto-ignition temperature: none

NPPA Unusual Hazards: none

Unusual fire and explosion hazards: none

Extinguishing Media use proper extinguishing media for the surrounding fire.

Fire fighting protective equipment wear full bunker wear full bunker gear including positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Avoid creating airborne dust. Maintain routine housecleaning procedures, Vacuum only with HEPA filtered equipment, if sweeping is necessary, use a dust suppressant and keep material in closed container. Do not use compressed air for clean-up. Workers should wear gloves, goggles and approved respirator. Avoid clean-up procedures that could cause water pollution.

7. HANDLING AND STORAGE

CLEAN-UP

Clean up dust carefully. Use wet sweeping or high efficiency vacuum to remove dust. Do not use compressed air.

During after-service removal activities, wet exposed material frequently to minimize airborne dust. A surfactant may be added to the water to improve the wetting process.

Use only enough water to wet the insulation. Do not allow water to accumulate on floors.

EMPTY CONTAINERS:

Product packaging may contain residue. Do not reuse.

8. EXPOSE CONTROLS/PERSONAL PROTECTION

Component OSHA Supplier

Brown Aluminium Oxide Grade A: None established

ACGIH TLV

Brown Aluminium Oxide Grade A: None established

Eye Protection:

In case of overhead work, wear goggles or safety glasses with side shields to prevent eye contact.

Skin Protection:

Wear gloves, head covering and full body clothing as necessary to prevent skin irritation.

Respiratory Protection:

When effective engineering and administrative controls are insufficient, the use of appropriate respiratory protection, pursuant to the requirements of OSHA 1910.134 and 2B DPR 1916.103 for the particular hazard or airborne concentrations in the work place, it is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|----------------------------------|
| Oxidizing properties name | Vapor density: not applicable |
| Odor None | Water solubility: not applicable |
| Chemical family: Aluminealileate flbora | PH: not applicable |
| Chemical Indexes: $AL_2O_3 \geq 95\%$ | Bolling Point: not applicable |
| $SiO_2 \leq 1.5\%$ | Melting point: 1600°C |
| $Fe_2O_3 \leq 0.3\%$ | |
| $TiO_2 \leq 3.2\%$ | |

10. STABILITY AND REACTIVITY

Chemical stability: stable under conditions of normal use.

Incompatibility : hydra fluoric and, and concentrated alkali.

11. TOXICOLOGICAL INFORMATION

Epidemiology studies conducted by institution of human environment protection in China has provided no evidence that there is a direct causal relationship between cumulative exposure to Brown Fused Alumina and lung cancers or particular pulmonary diseases.

12. ECOLOGICAL INFORMATION

No data is available on adverse effects of the material on the environment.

13. DISPOSAL CONSIDERATIONS

As produced, this material is usually accepted for disposal at most sites licensed for the disposal of industrial waste. Check applicable regulations and waste site permits prior to disposal. Waste should be placed in containers for disposal.

In case of contamination.

14. TRANSPORT INFORMATION

Product should remain in packing bags to avoid spillage during transportation.

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

N/A