

1. Identification of the Product and Supplier

Product name: KV RHA

Product application: Refractory additive & Heat Insulation Compound

Address/Phone No.:

K V METACHEM

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Website : www.kvmetachem.com

Contact person: Mr. Krunal Patel (kvmetachem@gmail.com)

2. Composition/Information on Ingredients

Chemical Characterization

CAS Number 71630-92-7 ashes (residues), rice husk

3. Hazards Identification

Eye: May cause eye irritation on contact.

Skin: May cause skin irritation.

Inhalation:

Acute: Exposure to the product may cause irritation to the throat and nasal passages. This product contains less than 1.5% crystalline silica. Rapidly developing silicosis may result from heavy exposure to respirable crystalline silica where recommended respiratory protection is not used.

Chronic: Cancer Hazard. This product contains less than 1.5% crystalline silica which is listed by IARC and NTP as a known human carcinogen. Prolonged exposure to respirable crystalline silica may cause silicosis. Silicosis is a form of progressive disabling pulmonary fibrosis characterized by shortness of breath, coughing, and diminished breathing capacity which may lead to death. If silicosis develops the chances of getting tuberculosis are increased.

4. First Aid Measures

Inhalation: Remove exposed person from dusty area. Fresh air.

Skin contact: Wash contaminated skin with water and/or a mild detergent.

Eye contact: Rinse eyes with water/saline solution. If discomfort persists, seek medical advice.

Ingestion: Not applicable.



5. Fire Fighting Measures

Flash Point: Non-Flammable
 Lower Limits: None
 Upper Limits: None Special Fire Fighting Procedures: None
 Unusual Fire & Explosion Hazards: None

6. Accidental Release Measures

In case of Spill: Clean up in manner to minimize dust. Wetting of material reduces and eliminates dust. Material can be washed from surfaces. Waste Disposal Method: Dispose of according to local, state, and federal regulations.

7. Handling and Storage

Handling: Use dustless system for handling and employee engineering controls to reduce concentrations of airborne dust. Avoid Spills.

Other Precautions: Post warning signs to alert personnel to potentially dusty areas. Practice good housekeeping and provide approved respirators if workers are exposed to dust

8. Exposure Controls/Personal Protection

Occupational Exposure Limits:

Components	OSHA-PEL		ACGIH-TLV	
	TWA	STEL	TWA	STEL
Amorphous Silica	80mg/m3	None	10 mg	None
	% SiO2			
Crystalline Silica*				
Total dust	30mg/m3	None	-	None
	% SiO2+2			
Respirable dust	10mg/m3	None	0.05mg/m3	None
	% SiO2+2			
Potassium Oxide	None	None	None	None

* For Cristobalite use ½ the amount calculated from the formula for Total dust and Respirable dust

Engineering Controls: Good ventilation should be provided at all times. Local exhaust and dust collection system (Bag house type) should be used to control dust exposures.

Respiratory Protection: Where work place exposure limits are exceeded and engineering controls are not practicable, use NIOSH/MSHA approved respirators to control exposures.

Eye Protection: ANSI approved goggles.

Other protective equipment: Facilities using this material should be equipped with an eye wash readily accessible in work areas.

9. Physical and Chemical Properties

Boiling Point: N/A Bulk Density (lb/ft³): 16-22

Vapor Pressure (mm Hg): N/A (gr/ltr): 256-352

Vapor Density (Air=1): N/A Melting Point: >2000° F

Evaporation Rate (Butyl Acetate=1): N/A

Solubility in Water: Not Soluble

Appearance and Odour: Coarse Black Powder, No Odour.

10. Stability and reactivity

Hazardous Instability: None Known.

Polymerization: Will not occur.

Hazardous decomposition properties: May decompose to hydrogen chloride.

Incompatibility (materials to avoid): Hydrofluoric acid (HF) and other oxidizing agents.

11. Toxicological Information

Skin: May be abrasive to the skin.

Eye: Can cause eye irritation. Ingestion: Can cause irritation due to abrasiveness of silica.

Inhalation: Prolonged exposure to respirable crystalline silica may cause silicosis. Acute or rapidly developing silicosis may occur in a short period of time during heavy exposure to crystalline silica.

Carcinogenicity: The National Toxicology Program (NTP) concluded in its Ninth Annual Report on Carcinogens that respirable crystalline silica is a known human carcinogen. The International Agency for Research Causes (IARC) concluded in its 1997 monographs on the Evaluation of Carcinogenic Risk to Humans that respirable crystalline silica is known to be a human carcinogen.



12. Ecological Information

Ecological data have not been determined for this product.

13. Disposal Considerations

Consult permitted waste disposal site to assure compliance with all current local, state and federal regulations.

14. Transport Information

UN number: not classified

UN proper shipping name: not applicable

Transport hazard class: not applicable

Packing group: not applicable

Environmental hazard: The product is not a marine pollutant.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): not classified

Special precautions: none

15. Regulatory Information

The Canadian Workplace Hazardous Material Information System (WHMIS) classification for Silica is D2A. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Product Regulation (CPR) and the MSDS contains all the information required by the CPR.

16. Other Information: N/A