



Nova Industries limited

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MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION AND COMPANY DETAILS

Product Name: SUPA DE-Brand Name

Other Names: Diatomaceous Earth

Product Use: it is a natural (Uncalcined) slow flow rate filter aid used for Food and beer filtration and other filtration applications where a high degree of clarity is required.

Also used as a filler in paints, diluents in wettable powders, a carrier/ filler in pesticides, fungicides, biocides and herbicides production and flame control in match head manufacturing.

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SECTION 2: HEALTH HAZARD INFORMATION

Summary: not classified as hazardous according to the criteria of USA National Occupational Health and Safety Commission (NOHSC).

When correctly used, there is no toxicity hazard incurred by the use of Supa DE. Supa DE has an amorphous, Non crystalline structure. As with any other fine inert dust, over exposure to this dust without a dust mask may result in irritation of the upper respiratory tract and lungs.

Entry Routes: inhalation and contact with eyes resulting in irritation of mucous membranes, upper airways and throat causing sneezing, coughing and breathing difficulties. Eyes may become dry or inflamed. Not hazardous when ingested.

Precautions: Skin may become dry, but no absorption occurs.

Firefighting measures: use of a dust mask, safety glasses or goggles, dust coat and nitrile gloves during application prevents these hazards. Supa DE is not flammable.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

COMPOSITION INFORMATION ON INGREDIENTS

Supa DE (Diatomaceous Earth) is a natural product, derived from remains of freshwater planktons (diatoms). The product generally contains low respirable quartz and crystalline silica.

Ingredient Name: natural Diatomaceous Earth/ Amorphous Silica.

CAS Number: 61790-53-2

%: 100%

PEL and TLV (Except as noted): Diatomaceous Earth (Uncalcined) 0.05mg/m³ respirable cristobalite, OSHA. 0.1mg/m³ Respirable Quartz, OSHA.

SECTION 4: FIRST AID MEASURES

EYES: If contact with the eye occurs, wash with water for approximately 15 minutes. Seek medical attention if irritation persists.

INHALATION: if inhaled move victim to fresh air and have the victim blow nose to remove excess dust. Ensure airways are clear. If breathing is difficult, a qualified person should give oxygen via a face mask. If irritation develops and persists, seek medical attention.

SKIN: wash thoroughly with water. Cover the irritated skin with an emollient. Wash clothes before re-use. Get medical attention if irritation develops.

INGESTION: wash out mouth with water, and then give plenty of water to drink. Seek medical attention if irritation or other symptoms develop.

FIRST AID FACILITIES: eye wash and normal washroom facilities.

ADVICE TO DOCTOR: treat symptomatically. The hazard from the product is the same as from any fine, inert dust. The product absorbs moisture and may cause dryness in contact with mucous membranes. Pre-existing upper respiratory and lung conditions such as bronchitis, emphysema or asthma may be aggravated by exposure to the dust.

SECTION 5: HANDLING AND STORAGE

Handling: minimize dust generation and accumulation. Avoid buildup of static electrical charge by proper grounding of handling and application equipment. Seal broken bags immediately.

STORAGE: Store in a well ventilated, dry, cool environment.

SECTION 6: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white to light grey dust

Odour: No Odour

Melting point: Not applicaton/>1,600 degrees Celsius

Boiling point: Not applicable

Solubility in water: Negligible

Specific gravity (water=1): 2.3

Vapour pressure: Not Applicable

Flash Point: Not Applicable

Flammability: Not Applicable

Flammable limits: Not Determined

PH:> (7.0-8.0)

Bulk Density: cal 0.36/ml

SECTION 7: ENVIRONMENTAL INFORMATION AND DISPOSAL

Environmental: No known adverse environmental effects. It is chemically inert and is not hazardous. It is not toxic to plants or animals (except insects, arachnids and land gastropods when dry).

Disposal: unless it absorbs chemicals or other liquids to be disposed in an approved landfill, otherwise it should be disposed in regular trash procedures.

SECTION 8: TOXICOLOGICAL INFORMATION

Primary route of entry: Inhalation

Other Routes: Eye contact, Ingestion, Skin Contact

Effects of Acute Exposure to product: Mechanical irritant. Irritation and sore throats and nose. In extreme exposures some congestion may occur.

Eye Contact: mechanical Irritant. Temporary irritation or inflammation.

Skin Contact: may cause drying of the skin.

Ingestion: Not hazardous when ingested.

Personal Hygiene/ Work practices: Always observe good personal hygiene and work practices. Always wash hands and face before eating, drinking and smoking.

Effects of Chronic Exposure to product: This product is natural (uncalcined) diatomaceous earth (fresh water source) and may be a health hazard when inhaled over a long periods of time (years). Use of dust mask during application prevents this hazard.

Sensitization to product: Not determined

Reproductive effects: No

Teratogenicity: No

Mutagenicity: No

Synergistic products: None

SECTION 9: OTHER INFORMATION

Storage segregation hazard classes: Not Applicable

Special workplace: Adequate ventilation to keep dust level below PEL engineering controls.

Revision Number: Revision 01

PREPARED IN May 2019. This material safety information is submitted on the basis of our findings and the research of others. As of preparation of this document, the foregoing information is accurate and is provided in good faith to customers with applicable national law (s); however, no warranty or representation with respect to such information is intended or given.

