

MATERIAL SAFETY DATA SHEET

Identity: Black Chalk

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

Product Names/Trade Names: Stanley Black Chalk

Synonyms/Common Names: Black chalk – a mixture of natural occurred mineral limestone (calcium carbonate) and carbon black.

Supplier Name: Stanley Works
Address: 480 Myrtle Street
 New Britain, CT 06053
Business Phone: 1-800-262-2161

Supplier/Importer Name (Europe): Stanley Europe
Address: Egide Walschaertsstraat 14-16
 Mechelen, 2800 Belgium
Business Phone: 32 (0)15/47.37.00

Emergency Telephone Number: (CHEMTEL) US 1-800-255-3924
 INT 01-813-248-0585

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SECTION II - INGREDIENTS

Major ingredients are calcium carbonate and carbon black.

Material	Wt %	CAS #	OSHA, PEL	ACGIH, TLV
Calcium Carbonate	77-83	1317-65-3	15 mg/m ³	10 mg/m ³
Carbon Black	17-23	1333-86-4	3.5 mg/m ³ TWA	3.5 mg/m ³ TWA
Quartz- Crystalline Silica	<1.5%	14807-96-6	2.9 mg/m ³	0.1 mg/m ³

Pb content in the product can be as high as 16ppm.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity (Water = 1):	2.59 – 2.62	Vapor Pressure (mm Hg):	N/A
Melting Point:	N/A	Vapor Density (Air = 1):	N/A
Evaporation Rate:	N/A	Solubility in Water:	Insoluble
Appearance and Odor:	Fine black powder, Odorless.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A
Extinguishing Media:	CO ₂ , water spray or fog, dry chemical, or foam.
Flammable limits:	N/A

Special Fire Fighting Procedures: In fires sustained by other combustible material, the product may undergo chemical change with the evolution of heat and toxic, irritant sulfur dioxide gas. Respiratory and eye protection required for fire fighting personnel.

Explosion Hazards: Like many fine materials, the black chalk, in high concentrations can form an explosive mixture in air which, if ignited, could result in dust explosion.

Hazardous Combustion Products: Products of combustion include carbon black.

SECTION V - REACTIVITY DATA

Stability: Stable.

Condition to Avoid: Avoid contact with acids and other incompatible and also excessive dust generation, combustible atmosphere, ignition sources, excessive heat, sparks and open flame.

Incompatibility (Materials to avoid):

Calcium carbonate ignites on contact with fluorine. It is incompatible with acids, alum, and ammonium salts and mercury/hydrogen mixtures.

Hazardous Decomposition or Byproducts: Can produce calcium oxide if thermally oxidized. Carbon dioxide, carbon monoxide may be produced.

Hazardous Polymerization: Will not occur.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? Yes Skin? Yes Eye? Yes Ingestion? Yes

Health Hazards (Acute and Chronic): Inhalation of dust may cause sneezing, coughing, and nose irritation.

Excessive exposure above 1mg/m^3 can give mild pulmonary irritation. The abrasiveness of the material may cause skin irritation and eye irritation. The material may cause mild irritation of the gastrointestinal tract.

Signs and Symptoms of Exposure:

Inhalation: Excessive sneezing or coughing.

Eye Contact: Mild irritation.

Skin Contact: Dryness and/or mild irritation.

Ingestion: Mild irritation. Not absorbed by the body.

Medical Conditions Generally Aggravated by Exposure: Pre-existing chronic respiratory, skin, or eye diseases may be aggravated. Smoking aggravates the effects of exposure.

Emergency and First Aid Procedures: For the material in eyes and skin contact, wash/flush immediately with plenty of water. If irritation persists, seek medical attention. For gross inhalation, remove person immediately to fresh air, give artificial respiration as needed, and seek medical attention as needed. If a large amount of the material is ingested, and the person is conscious, give large quantities of water to induce vomiting and seek medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in Case Material is Released or Spilled:

Spills: For powdered materials, use dustless methods (vacuum) and place into closable container for disposal. Avoid contact with acids. Do not flush into drains. In case of an accidental major discharge into drains, flush with copious amounts of water to dilute any acidic conditions which may prevail.

Waste Disposal Method:

Dispose in accordance with Federal, State, and Local regulations. It should not be washed into wastewater or drains. It should not be disposed of where there is a risk of contact with acids.

Precautions to be Taken in Handling and Storing:

Do not mix with acids. Avoid breakage of bagged material or spills of bulk material. Store the material in a cool, dry area.

Other Precautions:

Use dustless systems for handling, storage, and clean up. Use adequate ventilation and dust collection. Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Maintain and test ventilation and dust collection equipment. Wash or vacuum clothing which has become dusty. See also control measures in Section VIII. Warn your employees (and your customers-users in case of resale) by posting and other means of the hazards.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)

When airborne exposure limits are surpassed, wear relevant government agency approved respiratory equipment. Choose the specific type respirator by consulting the respirator manufacturer.

Ventilation:

Local Exhaust :

Use sufficient local exhaust to reduce the level of dust to the government regulated limitation.

Mechanical

See "Other Precautions" under Section VII.

Protective Gloves

Leather or impervious gloves.

Eye Protection

Wear protective shield (safety glasses) or dust-tight goggles.

Other Protective Clothing or Equipment

Optional

Work/Hygienic Practices

Avoid creating and breathing dust. See "Other Precautions" under Section VII.

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