

MATERIAL SAFETY DATA SHEET

Identity: Red chalk

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

Product Names/Trade Names: Stanley Red Chalk

Synonyms/Common Names: Red chalk – a mixture of natural occurred mineral limestone and iron oxide pigment.

Manufacturer's Name: Goalmac International Ltd.

Emergency Telephone and Fax Number: 0086-25-84501804

Date Prepared: March 06,2000

Date Revised: February 28 2004

SECTION II - INGREDIENTS

Principal ingredients are limestone and hematite.

Material	Wt %	CAS #
Limestone, CaCO ₃	70-80	1317-65-3
Hematite (iron oxide, Fe ₂ O ₃)	20-30	1317-60-8

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity (Water = 1): 3.1 – 3.3

Vapor Pressure (mm Hg): N/A

Melting Point: N/A

Vapor Density (Air = 1): N/A

Evaporation Rate: N/A

Solubility in Water: 0.1%

Appearance and Odor: Solid reddish, no odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non-flammable

Extinguishing Media: As appropriate for surrounding combustibles.

Flammable limits: None

Special Fire Fighting Procedures: Respiratory and eye protection required for fire fighting personnel.

Unusual Fire and Explosion Hazards: Product does not burn or support combustion. Not a fire or explosion hazard.

SECTION V - REACTIVITY DATA

Stability: Stable under normal conditions.

Condition to Avoid: Avoid contact with acids and other incompatible and also excessive dust generation.

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.

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 $1\text{mg}/\text{m}^3$ 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, or flush with water. Do not dry sweep. Water protective equipment specified below.

Waste Disposal Method:

Dispose in accordance with Federal, State, and Local regulations.

Precautions to be Taken in Handling and Storing:

Avoid breakage of bagged material or spills of bulk material. Store the material in a cool, dry area. See control measures in Section VIII.

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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