

12-2000

lay
N/A.

OCT 29 1996

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List) (Fe₂O₃) (Fe₃O₄)
MAGNETITE

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name

Kyanite Mining Corporation

Address (Number, Street, City, State, and ZIP Code)

Highway #15 South

Dillwyn Virginia 23936

Emergency Telephone Number

(804) 983-2043 (804) 736-8135

Telephone Number for Information

(804) 983-2043

Date Prepared

September 1, 1996

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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Fe ₂ O ₃ is a naturally occurring mineral. In itself it is not a toxic mineral. Any fine mesh size particles could present a health hazard if inhaled over long and/or extended periods of time.				
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Section VI should be reviewed.

The natural characteristics of magnetite gives it a similar and anticipated chemical analysis. Does not drastically alter its' composition. All deposits and mine sites in Virginia are associated.

Section III — Physical/Chemical Characteristics

Boiling Point unknown N/A	Specific Gravity (H ₂ O = 1) 4.6
Vapor Pressure (mm Hg.) unknown N/A	Melting Point
Vapor Density (AIR = 1) N/A	Evaporation Rate (Butyl Acetate = 1) N/A

Solubility in Water

None - Insoluble in water and dries very quickly to original state.

Appearance and Odor

Light black to dark black.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) None	Flammable Limits None	LEL N/A	UEL N/A
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Extinguishing Media

Any type or style extinguisher.

Special Fire Fighting Procedures

Regular - no special procedures required.

Unusual Fire and Explosion Hazards

This mineral is non-combustible. Extinguishing apparatus in the surrounding areas is useable and sufficient. Non-flammable.

Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid N/A	((highly stable under ordinary conditions and in itself non-toxic))
	Stable	N/A	

Incompatibility (Materials to Avoid)

*Know of no incompatible material.*Hazardous Decomposition or Byproducts ((In high temperature, quartz can change crystal structure to form *cristobalite (1470°C) plus -- has greater health hazards than quartz.)*)

Hazardous Polymerization	May Occur	Conditions to Avoid See Sections 2, 4, 6, 7, and 8 . . .
	Will Not Occur	There are no repeating structural units of the original molecules.

Section VI — Health Hazard DataRoute(s) of Entry: Inhalation? *xxxxx* Skin? Ingestion?*Health hazards can occur from excessive inhalations due to silica dust. Otherwise, non-toxic.*

Health Hazards (Acute and Chronic)

*Acute: N/A Chronic: Crystalline silica in lung can produce pneumoconiosis.*Carcinogenicity: *N/A* NTP? *No known cases.* IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure

See Sections 2, 3, 4, 5, 6, and 7. Symptoms of silicosis are usually delayed.

Medical Conditions

*Generally Aggravated by Exposure Respiratory infections due to a silicosis can progress with continued exposure**and advanced age. Smoking can increase the risk of injury.*

Emergency and First Aid Procedures

*Hold dust to a minimum. Adequate general and local systems for ventilation.***Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled

*See and read this entire report for information. Workers wear safety goggles. At all times wear air supply**respirators. It is suggested that your company always purchase only the very best grade of any safety**equipment deemed necessary.*

Waste Disposal Method

*Use waste containers suitable for transportation and dispose in accordance with federal, state and your local**requested regulations.*

Precautions to Be Taken in Handling and Storing

*Adequate general and local ventilation. Notify safety personnel of major breakage, spill, wastes, etc. and**highly reprimand employees for damaging and wasting purchased inventory.*

Other Precautions

*Provide dust respirators for use in emergency or non-routine situations where dust levels may exceed IEL.**Half face respirators. Well to wear them during all working hours.***Section VIII — Control Measures**

Respiratory Protection (Specify Type)

See Section 7

Ventilation	Local Exhaust	<i>O.K.</i>	Special	<i>Not required.</i>
	Mechanical (General)	<i>O.K.</i>	Other	<i>Any that will ventilate.</i>

Protective Gloves

Well to wear gloves when handling all raw materials.

Eye Protection

Wear safety goggles.

Other Protective Clothing or Equipment

Avoid eye contact with materials. Long sleeves for skin protection.

Work/Hygienic Practices

*I suggest using good common sense practices. Always good housekeeping. Prevent dust clouds. Common household dust precautions must be practiced by each employee. Must use and project common,**ordinary sense.*