

Material Safety Data Sheet

IDENTITY (As Used on Label and List)

TKB Trading Black Oxide

Section I

Manufacturer's Name TKB TRADING, LLC

356 24TH STREET

Telephone Number for Information 510-451-9011

OAKLAND, CALIFORNIA USA

Date Prepared 12/19/00

94612

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV
Black Oxide (Iron Oxide)	n/a	n/a

Section III - Physical/Chemical Characteristics

Boiling Point Not Applicable

Specific Gravity (H₂O = 1) **Not Applicable**

Vapor Pressure (mm Hg.) <u>Not Applicable</u>	Melting Point <u>Not Applicable</u>		
Vapor Density (AIR = 1) <u>Not Applicable</u>	Evaporation Rate (Butyl Acetate = 1) <u>Not Applicable</u>		
Solubility in Water <u>Miscible in water.</u>			
Appearance and Odor <u>pigmented powder.</u>			
Flash Point (Method Used) <u>Not Applicable</u>	Flammable Limits <u>400 deg C (752.00 deg F)</u>	LEL <u>n/a</u>	UEL <u>n/a</u>
Extinguishing Media Use any means suitable for extinguishing surrounding fire.			
Special Fire Fighting Procedures Self Contained Breathing apparatus (SCBA) and full protective equipment recommended.			
Unusual Fire and Explosion Hazards Emits toxic fumes under fire conditions.			

Section V - Reactivity Data

Stability: <u>Stable</u>	Conditions to Avoid <u>Avoid heavy dusting.</u>
Incompatibility (Materials to Avoid) <u>Not applicable</u>	
Hazardous Decomposition or Byproducts <u>Not known.</u>	
Hazardous Polymerization <u>Will not Occur</u>	Conditions to Avoid <u>n/a</u>

Section VI - Health Hazard Data

Route(s) of Entry: <u>Inhalation, Ingestion, skin, eyes.</u>
Health Hazards (Acute and Chronic)

Acute Exposure:

Eye:

May cause eye irritation.

Skin:

May cause skin irritation. Low hazard for usual industrial handling.

Ingestion:

None known.

Inhalation:

May cause cough, difficulting in breathing.

Chronic Exposure:

No information found.

Signs and Symptoms of Exposure Caution! This is expected to be a low hazard for usual industrial handling. May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

Medical Conditions

Generally Aggravated by Exposure

Emergency and First Aid Procedures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion:

Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Avoid heavy dusting. Shovel into containers and dispose.

Waste Disposal Method

Follow all local, state, or federal regulations.

Precautions to Be taken in Handling and Storing Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust)); observe all warnings and precautions listed for the product.

Other Precautions Wear safety glasses and a dust respirator.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Ventilation Provide general dilution or local exhaust ventilation.

Protective Gloves As for industrial situations.

Eye Protection Goggles

Other Protective Clothing or Equipment Wear appropriate protective clothing to minimize contact with skin.

Work/Hygienic Practices Wash thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Wash clothing before reuse.

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