

5140

MATERIAL SAFETY DATA SHEET

(Similar to Form OSHA-20)

SECTION I**MANUFACTURER'S NAME**

CERAMIC COLOR & CHEMICAL MFG. CO.

EMERGENCY TELEPHONE NO.

412-846-4000

ADDRESS (Number, Street, City, State, and Zip Code)

13TH STREET & 11TH AVENUE NEW BRIGHTON, PA 15066

CHEMICAL NAME AND SYNONYMS

SYNTHETIC IRON OXIDE CAS 1317-61-9

TRADE NAME AND SYNONYMS

#3460 BLACK

CHEMICAL FAMILYIRON OXIDE **black****FORMULA**FeO·Fe₂O₃**SECTION II - HAZARDOUS INGREDIENTS**

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATINGS OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	4.95
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ -1)	
SOLUBILITY IN WATER			
APPEARANCE AND ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N.A.	FLAMMABLE LIMITS	LoL	UoL
EXTINGUISHING MEDIA	Water Spray			
SPECIAL FIRE FIGHTING PROCEDURES	Normal fog or nozzle jet application and/or exclusion of air			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Black iron oxide can oxidize if subjected to intense heat. The reaction is exothermic and difficult to extinguish. Isolate the smoldering bags and exclude air if possible			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

15 mg/M³

EFFECTS OF OVEREXPOSURE

None

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: N.A. INHALATION: Remove from exposure. Treat symptomatically. SKIN: Wash with soap and water. EYES: Flush with water.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

STABLE

CONDITIONS TO AVOID

X

Intense heat

INCOMPATIBILITY (Materials to avoid)

None

HAZARDOUS DECOMPOSITION PRODUCTS

None

HAZARDOUS POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

CONDITIONS TO AVOID

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Vacuum up

WASTE DISPOSAL METHOD

Bury, use as landfill in accordance with local, state and federal regulations

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Dust mask above TLV

VENTILATION

Use the guidelines recommended by the American Conference of Governmental Industrial Hygienists in the current edition of "Industrial Ventilation" considering the TLV, Lower Explosive (Flammable) Limit and conditions under which this product is used.

PROTECTIVE GLOVES

EYE PROTECTION

Safety Glasses

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep in closed containers

OTHER PRECAUTIONS