

SAFETY DATA SHEET

I . PRODUCT IDENTIFICATION:

PRODUCT NAME.....: IRON OXIDE YELLOW G313,
CHEMICAL FAMILY.....: Inorganic PIGMENTS

□. HAZARDOUS INGREDIENTS:

This product contains no hazardous ingredients.

□. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM.....: Solid; Power
COLOR.....: YELLOW
RELATIVE TINTING STRENGTH.....: 105%MAX
105□ VOLATILE.....: 1.0% MAX.
WATER SOLUBLE.....: 0.5% MAX.
RESIDUES ON 325 MESH: 0.4% MAX .
PH VALUE.....: 3.5—7
OIL-ABSORPTION.....: 25—35%
PURITY(Fe2O3).....: 86%MIN
CaO.....: 0.3%MAX

□. FIRE AND EXPLOSION DATA:

FLASH POINT: Not Applicable
AUTO—IGNITION TEMPERATURE.....: Not Applicable
EXTINGUISHING MEDIA: Material is not combustible. Use
extinguishing media suitable for other
combustible materials in the area.
SPECIAL FIRE FIGHTING PROCEDURES: None.

□. HUMAN HEALTH DATA:

ROUTE(S) OF ENTRY: Eye Contact; Skin Contact; Inhalation

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HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE EFFECTS OF EXPOSURE.....: On the basis of Animal Toxicity
Data, we would expect this product to be non-irritating to the eyes and skin

and essentially non-toxic by ingestion. However, excessive exposure to airborne dust may reduce visibility and/or cause unpleasant deposits in the eyes, ears and nose. Injury to the skin or mucous membranes can occur by direct mechanical action or by rigorous skin cleaning necessary for removal of dust.

CHRONIC EFFECTS OF EXPOSURE: No chronic health effects are known from repeated exposure to iron oxide pigments.

OTHER EFFECTS OF EXPOSURE: Prolonged inhalation (6 to 10 years) of iron oxide fume has been reported to produce change in lung x-rays of exposed individuals. This condition, siderosis, is considered to be a begin phumoconiosis that exhibits no adverse health effects. Siderosis has been present. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments.

VI. EMERGENCY AND FIRST AID PROCEDURES:

FIRST AID FOR EYES: Flush eyes with plenty of water, lifting lids periodically for at least 15 minutes. Consult a physician if irritation persists.

FIRST AID FOR SKIN: Wash with soap and water.

FIRST AID FOR INHALATION.....: Remove from dusty area to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

FIRST AID FOR INGESTION: Immediately contact a physician.

VII. EMPLOYEE PROTECTION RECOMMENDATIONS:

EYES PROTECTION REQUIREMENTS: Safety glasses are recommended.

SKIN PROTECTIO REQUIREMENTS.....: Rubble, cloth, or plastic gloves are recommended to reduce skin contact where appropriate for job conditions.

RESPIRATOR REQUIREMENTS: Ambient concentrations in the work area should be monitored and if the recommended exposure limit is exceeded, a NIOSH/ MSHA approved dust respirator should be worn.

VENTILATION REQUIREMENTS: Use local ventilation to maintain air levels below the recommended exposure limit if dusting is a problem.

ADDITIONAL PROTECTIVE MEASURES...: Eye wash stations and washing facilities should be available . Employees should wash their hands and face before eating, drinking or using tobacco products.

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VIII. SPILL AND LEAK PROCEDURES:

SPILL OR LEAK PROCEDURES: Vacuum or scoop material into an appropriately marked container for reclamation or disposal. Avoid excessive generation of dust. If dust is generated, use appropriate respiratory protection.

WASTE DISPOSAL METHOD: Material which cannot be recycled into your process should be landfilled in accordance with federal,

state and local environmental control regulations.

IX. SPECIAL PRECAUTIONS AND STORAGE DATA:

STORAGE TEMPERATURE (MIN/MAX) : Ambient/ Ambient

SHELF LIFE.....: Unlimited

SPECIAL SENSITIVITY: None know

HANDLING STORAGE PRECAUTIONS.: Store dry at ambient temperature
away from food and beverages. Avoid breathing dust. Avoid contact with
eyes and skin. Wash thoroughly after handling.

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