

HARCHOS CHEMICALS INC
KANSAS CITY, KANSAS

#85670

1065

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PFZ PGMT G-4099 50# DATE: 08/09/89 PAGE 01
PRODUCT CODE: 15-06054-00

CAS # 001308-38-9

FORMULA: Cr(2)O(3)

CHEMICAL FAMILY: Pigment

CHEMICAL NAME AND SYNONYMS: Chromium Oxide, Green Chromium (III)
Oxide Powder, C.I. Pigment Green 17
C.I. Number 77288, G-4099, G-4099HP, G-8599,
G-6099, G-6099HP, G-7099, G-7099HP

MANUFACTURERS NAME: Pfizer Pigments Inc.

SUPPLIERS NAME: Harchos Chemicals Inc
5200 Speaker Rd
Kansas City Ks 66106

SUPPLIERS PHONE NUMBER: 913-321-3131

TRANSPORTATION EMERGENCY PHONE NUMBER: 1-800-424-9300

S.A.R.A. INFORMATION

HAZARDS: Fire: Pressure: Reactivity: Acute: Yes Chronic: Yes
PHYSICAL DATA: Mixture: Yes Pure: Solid: Yes Liquid: Gas:

SECTION I Hazardous Ingredients

Ingredient	Percent	TLV
Chromium (III) Oxide Green (CAS # 1308-38-9) <>	99+%	TLV 0.5 mg/m(3) ACGIH TWA (Chromium III compounds as Cr) PEL 1 mg/m(3) OSHA TWA (as Cr)

There are extremely small, but detectable amounts of substances regulated under California's Safe Drinking Water and Toxic Enforcement Act (Proposition 65).
Arsenic - less than 3 ppm
Beryllium - less than 2 ppm
Cadmium - less than 2 ppm
Chromium (VI) - 120 ppm
Lead - less than 10 ppm
These levels are "typical" quantities and may change slightly with different lots.
The term "less than" indicates that the substance was detected, but the amount was less than the quantifiable limit.
<>-This chemical is subject to S.A.R.A. Title III, Section 313 part 372 reporting.

SECTION II Health Hazards

Threshold Limit Value: As indicated in Section I.

Potential Effects of Exposure (listed by primary routes of entry)

Eyes: May cause eye irritation.

Skin: May cause skin irritation.

Inhalation: Repeated and prolonged exposures to trivalent chromium compounds may cause delayed effects involving the

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To: JOE	From: AUCREY
Co:	Co: SPC / Sean

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SECTION II Health Hazards respiratory system. CONTINUED

Ingestion: Acute oral LD(50) in rats greater than 5000 mg/kg.

First aid:

Eyes: Flush eyes with generous amounts of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire eye surface. Call a physician.

Skin: Wash with mild soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, consult a physician.

Inhalation: Remove to fresh air. Call a physician.

Ingestion: If conscious, give large quantities of water to induce vomiting. Get medical attention.

Other Information:

Primary entry route(s): Inhalation, ingestion, skin and eye contact.

Acute effects: Causes skin irritation. May cause eye irritation.

Chronic effect(s): Contains trivalent chromium compound. As noted by the American Conference of Governmental Industrial Hygienists in their publication "Documentation of the Threshold Limit Values" repeated and prolonged exposures to trivalent chromium compounds may cause delayed effects involving the respiratory system.

SECTION III Special Protection Information

Respiratory Protection: Use of NIOSH approved dust respirator is recommended when exposure limits may be exceeded.

Ventilation Required: Local exhaust ventilation to collector or containment recommended to control dust to below exposure limits.

Protective Clothing:

Eyes: Wear safety glasses or goggles to protect against dust particles.

Skin: Rubber or Neoprene gloves recommended to avoid direct skin contact.

Additional Protective Measures: An eyewash station should be available to the area of use.

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PRODUCT NAME: PFZ PGM T G-4099 50# DATE: 08/09/89 PAGE 03
PRODUCT CODE: 16-06054-00SECTION IV Fire & Explosion Hazard Data

Flash Point (Method): Non-flammable

Flammable Limits (% Volume in Air):

Upper: N/D

Lower: N/D

Extinguishing Media: Not flammable. Use appropriate extinguishing media for the combustible material involved in the fire.

Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None

SECTION V Physical Data

Boiling Point: Unk

Specific Gravity (H₂O=1): 5.2

Vapor Pressure (MM HG.): Unk

Vapor Density (AIR=1): Unk

Evaporation Rate (_____ =1): 0

Solubility in Water: Insoluble

Percent Volatile by Volume: 0

pH: Unk

Appearance and Odor: Green powder, no odor.

SECTION VI Reactivity Data

Stability: Stable

Incompatibility: Can react with molten alkali at very high temperatures under oxidizing conditions. May react with chlorine trifluoride, lithium, nitroalkanes, dirubidium acetylide, oxygen difluoride and other strong oxidizers.

Hazardous Decomposition Products: A small amount (less than 0.1% as Cr) of reversion to hexavalent chromium may occur if this product is exposed to elevated temperatures.

Hazardous Polymerization: Will not occur.

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50%

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SECTION VII Spill and Leak Procedures

Steps to be taken if material is released or spilled:

Vacuum or use wet clean-up techniques and place waste material in closed container.

Waste Disposal Method:

Disposal must be in accordance with all applicable federal, state and local regulations. Pursuant to 40 CFR part 261 of the Resource Conservation and Recovery Act (RCRA) Regulations currently in effect, discarded Chromium (III) Oxide would not be classified as a hazardous waste. For transportation emergencies, call CHEMTREC, 24 hour information service, (800) 424-9300.

Chromium (III) Oxide is not listed in Appendix A and B, 40 CFR 355, as an Extremely Hazardous Substance.

SECTION VIII D.O.T. Shipping Information

Proper Shipping Name: NONE
Hazard Class: NONE
ID Number: NONE
Label Requirements: NONE
Reportable Quantity: NONE
Other Information:

SECTION IX Additional Information

This information may be of importance to you:

SPECIAL PRECAUTIONS

In accordance with good industrial hygiene practice, avoid contact with skin, eyes or clothing. Avoid breathing dust. Keep away from food products. Keep container closed when not in use. Use with adequate, localized ventilation. Wash thoroughly after handling and before eating, drinking or using tobacco products. Contaminated clothing should be laundered carefully to avoid secondary exposures to product.

NPCA Health Hazard

Health - 1
Flammability - 0
Reactivity - 0

Special Protection - E - Glasses, Gloves, Dust Resp

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SECTION IX Additional Information CONTINUED

MANUFACTURER'S NAME:
Pfizer Pigments Inc.
A Subsidiary of Pfizer Inc.

ADDRESS:
235 East 42nd Street
New York, NY 10017

EMERGENCY TELEPHONE NUMBER:
(215) 250-7000 (Easton PA Plant)

***** END OF REPORT *****

NAME: GENE TURNER DATE ISSUED: 07/24/1989
DATE REVISED:

< = LESS THAN N/A = NOT APPLICABLE UNK = UNKNOWN
> = MORE THAN N/D = NOT DETERMINED
 N/E = NOT ESTABLISHED

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