

SAFETY DATA SHEET

RODUCT CODE: Metallic Color Pigments

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Metallic Color Pigments
PRODUCT CODES: Metallic Color Pigments

MANUFACTURER: Chargar Corp
STREET ADDRESS: 299 Welton Street
CITY, STATE, ZIP: Hamden, CT 06517

Chemical Name or Class: Metallic pigments

SECTION 2: HAZARDS IDENTIFICATION

Hazard Overview

GHS Classification: Not classified as dangerous according to the regulations

GHS Label Elements and Precautionary Statements:

Label Elements: None

Hazard Statements:

P102 Keep out of reach of children.

P103 Read label before use

Precautionary statements:

None

Other Non-Classifiable hazards information

Hazard Statements:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P280: Wear Eye Protection/face protection

P285: In case of inadequate ventilation, use respiratory protection.

Precautionary statements:

P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lense, if present and easy to do. Continue rinsing.

P302+P352: If on skin, wash with plenty of soap and water.

HMIS HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMIBILITY: 0** **REACTIVITY: 0** **PERSONAL PROTECTIVE EQUIPMENT: E**

POTENTIAL HEALTH EFFECTS

EYES: MAY CAUSE CORNEAL ABRASION, IRRITATION OR INFLAMMATION.

SKIN: MAY CAUSE SKIN IRRITATION.

INGESTION: NONE KNOWN.

INHALATION: MAY CAUSE IRRITATION TO THE RESPIRATORY TRACT. PROLONGED OR REPEATED EXPOSURE MAY CAUSE RESPIRATORY PROBLEMS OR OTHER LUNG RELATED SYMPTOMS.

HEALTH HAZARDS (ACUTE AND CHRONIC): PROLONGED OR REPEATED EXPOSURE TO DUST MAY CAUSE PULMONARY PROBLEMS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: RESPIRATORY CONDITIONS OR OTHER ALLERGIC RESPONSE.

CARCINOGENICITY

OSHA: NO **NTP:** NO **IARC:** NO

NO LISTED INGREDIENTS OF THIS PRODUCT ARE REGULATED AS CARCINOGENS.

ADDITIONAL CARCINOGENICITY INFORMATION:

N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| <u>INGREDIENT</u> | <u>CAS NO.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>OSHA STEL</u> | <u>WEIGHT %</u> |
|-------------------|----------------|-----------------|------------------|------------------|-----------------|
| Mica | 12001-26-2 | 20mppcf | 3mg/m3 | NONE | 50-60 |
| Iron III oxide | 1309-37-1 | 10mg/m3 | 5mg/m3 | NONE | 40-50 |

No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.

FOLLOW OSHA HAZARD COMMUNICATION RULE 29CFR SECTIONS 1910.1200, 1915.99, 1917.28, 1918.9, 1926.59, AND STATE AND LOCAL COMMUNITY RIGHT TO KNOW LAWS.

Note: Ingredients listed without percentages, the percentages are considered a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: FLUSH EYES WITH WATER FOR AT LEAST FIFTEEN MINUTES AND CONSULT A PHYSICIAN IF CONDITION WARRANTS.

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SKIN: WASH IMMEDIATELY WITH SOAP AND WATER IF SKIN CONTACT OCCURS. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: IF INGESTED, CONSULT A PHYSICIAN. IF CONDITION WARRANTS. NOT A HAZARD UNDER NORMAL USE CONDITIONS

INHALATION: REMOVE VICTIM TO FRESH AIR AREA AND ADMINISTER OXYGEN IF NECESSARY. CONSULT A PHYSICIAN IF CONDITION WARRANTS MEDICAL ATTENTION.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, **UPPER:** n/a
(% by volume) **LOWER:** n/a

FLASH POINT: n/a

METHOD USED: n/a

EXTINGUISHING MEDIA: PRODUCT ITSELF DOES NOT BURN.

SPECIAL FIRE FIGHTING PROCEDURES: Product is neither a fire hazard nor an explosion hazard

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire hazards known.

SECTION 6: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WEAR RESPIRATOR AND USE DUSTLESS HANDLING EQUIPMENT TO CLEAN UP LARGE SPILLS. PLACE IN SUITABLE DISPOSAL CONTAINERS. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. PROPERLY LABEL ALL CONTAINERS. AVOID BREATHING ANY DUST WHEN WORKING WITH THIS MATERIAL.

OTHER PRECAUTIONS: AVOID BREATHING DUST GENERATED FROM THE MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. PROVIDE TRAINING FOR YOUR EMPLOYEES RELATING TO OCCUPATIONAL EXPOSURE TO DUST. USE WITH ADEQUATE VENTILATION.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER-EXPOSURE TO DUST IN ACCORDANCE WITH 29 CFR 1910.134. GENERAL EXHAUST IS USUALLY SUFFICIENT IN LIEU OF NIOSH RESPIRATOR. PROVIDE SUFFICIENT EXHAUST TO KEEP EXPOSURE LEVELS BELOW THE OSHA PEL LEVEL.

VENTILATION : GENERAL EXHAUST IS USUALLY SUFFICIENT TO CONTROL DUST AND EXPOSURE HAZARDS.

PROTECTIVE GLOVES: WEAR SUITABLE PROTECTIVE GLOVES.

EYE PROTECTION: SPLASH GOGGLES OR GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: PROVIDE EQUIPMENT AS NECESSARY TO PREVENT THE INHALATION OF DUST OR SKIN EXPOSURE.

WORK HYGIENIC PRACTICES: OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

SEE SECTION THREE FOR OCCPATONAL EXPOSURE LIMIT VALUES.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: VARIOUS COLORED POWDER - ODORLESS

BOILING POINT OR RANGE: n/a

VAPOR DENSITY (AIR = 1): n/a

SPECIFIC GRAVITY (H2O = 1): 3.1 – 3.2 kg/L

EVAPORATION RATE: n/a

SOLUBILITY IN WATER: insoluble

pH: 6.0-9.0 (4% in water)

Odor Threshold: N/A

Melting point/freezing point: N/A

Vapor Pressure: N/A

Auto Ignition Temperature: N/A

Partition Coefficient: n-octanol/water: N/A

Decomposition Temperature: N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID (STABILITY): NONE KNOWN.

INCOMPATIBILITY (MATERIAL TO AVOID): NONE KNOWN

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: NONE KNOWN.

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HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS ON HUMANS: The substance is toxic to lungs, mucous membranes and a possible skin irritant.

Component information:

Component Iron III oxide CAS# 1309-37-1: Acute Oral Toxicity LD50 >5000 mg/kg (rat). Acute Dermal Toxicity LD50 >5000 mg/kg (rat)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No known ecological problems associated with this product.

Toxicity of products of biodegradation: The product of degradation are as toxic as the original product.

Component information:

Component Iron III oxide CAS# 1309-37-1 Acute and Prolonged Toxicity to fish LC0 >1000 mg/l (golden Orfe). Acute toxicity to Aquatic Invertebrates EC0 > 10000 mg/l (water flea). Toxicity to Microorganisms EC0 > 1000mg/l (pseudomonas putida)

SECTION 13: WASTE DISPOSAL

WASTE DISPOSAL METHOD:

DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.

SECTION 14: Transport Information

DOT: Not Regulated

IMO/MDG Not regulated

SECTION 15: REGULATORY INFORMATION

WHMIS and Canada classification: Product is not regulated

Component CAS# 12001-26-2: On TSCA list. DSL Canada Listed and is considered an uncontrolled product. Although not on the California Proposition 65 list, it may contain ppm quantities of materials regulated under California's safe drinking water and toxic enforcement act of 1986.

Component Iron III oxide CAS# 1309-37-1 Listed on TSCA Inventory. Section 313/312 hazard category: Chronic health hazard. Potential exposure to all of the California proposition 65 have been determined to be below the No significant risk level (NSRL). Component and its impurities (1%) are on the Pennsylvania, New Jersey right to know substance lists. Component contains the following chemicals listed on the New Jersey and Pennsylvania RTK special hazardous Substance lists: Manganese CAS# 7439-96-5 (0.7%) and Aluminum CAS# 7429-90-5 (0.29%). Component contains the following ingredients which are on the Pennsylvania, Massachusetts hazardous substance lists: Chromium CAS# 7440-47-3 (0.075%) and Nickel CAS# 7440-02-0 (0.04%) Component contains the following chemicals on the California Proposition 65 list known to the state of California to be carcinogenic: Nickel CAS# 7440-02-0 (0.04%) and Cobalt CAS# 7440-48-4 (30 ppm).

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

N/A = Not Available

See Section 1 for date of preparation