

MATERIAL SAFETY DATA SHEET

Product Name: PSC 3641 100% SOLIDS EPOXY COLORANTS

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 100% SOLIDS EPOXY COLORANTS
SYNONYMS: Pigment dispersions
PRODUCT USE / CLASS: Epoxy colorants

MANUFACTURER: PSC Polymer Science Corporation
ADDRESS: #1133, 6027 – 79 Ave. S.E. Calgary, Alberta, Canada T2C 5P1
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IN CASE OF AN EMERGENCY CALL: CANUTEC at (613) 996-6666 (24 hours)

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

INORGANIC YELLOW

HAZARDOUS INGREDIENTS

Resin NJTSR # 56705700001-5382P
Iron Oxide

C.A.S.#

Trade Secret
051274-00-1

WEIGHT %

5 - 10
30 - 60

INORGANIC WHITE

HAZARDOUS INGREDIENTS

Resin NJTSR # 56705700001-5382P
Titanium Dioxide
Aluminum Hydroxide
Amorphous Silica

C.A.S.#

Trade Secret
013463-67-7
021645-51-2
007631-86-9

WEIGHT %

5 - 10
30 - 60
1 - 5
1 - 5

C.I.PIGMENT BLACK 7

Carbon Black

1333-86-4

0 - 2

SECTION 3: HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***: May cause skin and respiratory tract irritation

POTENTIAL HEALTH EFFECTS

EYE CONTACT: May cause slight irritation

SKIN CONTACT: May cause moderate irritation, redness and drying of the skin. Contains a component which is not a skin sensitizer but may be a fatiguing agent based on animal testing.

INHALATION: Possibly irritating

INGESTION: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea

GENERAL: The products are free flowing liquids or pastes. Dust inhalation is not an expected route of exposure.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: In case of contact, immediately flush eyes with plenty of water. Obtain medical attention if irritation develops.

SKIN CONTACT: Remove contaminated clothing. Flush skin with water, followed by washing with soap and water. If symptoms develop or persist, obtain medical attention. Wash clothing before re-use.

INHALATION: Remove to fresh air. If not breathing, give CPR. If breathing is difficult, give oxygen. Get immediate medical attention.

INGESTION: If swallowed, do not induce vomiting. Have victim drink 8 - 10 ounces of water to dilute material in stomach. Get medical attention immediately. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 230°F

FLASH POINT METHOD: Setaflash Closed Cup

OSHA FLAMMABILITY CLASSIFICATION: None

EXTINGUISHING MEDIA: Use water spray or fog, foam, dry chemical or CO₂

FIRE FIGHTING PROCEDURES: Wear self-contained positive pressure breathing apparatus, (MSHA / NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat. Cool with water spray.

LOWER EXPLOSIVE LIMIT:

N/A

UPPER EXPLOSIVE LIMIT:

N/A

AUTOIGNITION TEMPERATURE:

N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

Use personal protective equipment as described in Section 8. Absorb spills with inert material and place in a chemical waste container. Obey relevant local, state, provincial, and federal laws and regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin, and clothing. Follow all MSDS / Label precautions.

STORAGE: Store cool and dry. Keep container closed when not in use.

SECTION 8: PERSONAL PROTECTION

EXPOSURE LIMITS:

Resin NJTSR # 56705700001-5382P

Yellow Iron Oxide

VALUE

N/A

N/A

10 mg/ m³

5 mg/ m³

LIMIT

TWA

STEL

TWA

TWA

REFERENCE

OSHA / ACGIH

OSHA / ACGIH

OSHA

ACGIH

Red Iron Oxide	N/A 10 mg/ m ³ 5 mg/ m ³ N/A	STEL TWA TWA STEL	OSHA / ACGIH OSHA ACGIH OSHA / ACGIH
Titanium Dioxide	15 mg/ m ³ 10 mg/ m ³ N/A	TWA TWA STEL	OSHA ACGIH OSHA / ACGIH
Aluminum Hydroxide	N/A N/A	TWA STEL	OSHA / ACGIH OSHA / ACGIH
Amorphous Silica	20 mg/ m ³ 10 mg/ m ³ N/A	TWA TWA STEL	OSHA ACGIH OSHA / ACGIH
Pigment NJTSR # 56705700001-5259P	15 mg/ m ³ 10 mg/ m ³ N/A 3.5 mg/ m ³	TWA TWA STEL TWA	OSHA ACGIH OSHA / ACGIH OSHA
Carbon Black (C.I.Pigment Black)			

ENGINEERING CONTROLS: Use adequate ventilation
RESPIRATORY PROTECTION: Respiratory protection meeting OSHA 1910.134 and ANSI Z88.2 or applicable federal / provincial requirements must be followed whenever workplace conditions warrant a respirator use
EYE PROTECTION: Use chemical splash goggles
SKIN PROTECTION: Use impermeable gloves
OTHER PROTECTIVE EQUIPMENT: Safety showers and eye wash fountain should be readily available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE:	N/A	VISCOSITY:	N / A
VAPOR DENSITY:	Heavier than air	VOC CONTENT (lbs / gal)	0.0
BOILING POINT:	N/A	EVAPORATION RATE:	Slower than n-Butyl Acetate
pH:	N/A	SOLUBILITY IN WATER:	Negligible
SPECIFIC GRAVITY:	1.5 - 1.7 g/cm ³ (depending on product)	OTHER PROPERTIES:	Colored paste, paint odor

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions
HAZARDOUS POLYMERIZATION: Will not occur under normal conditions
CONDITIONS TO AVOID: High temperatures
INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing materials, strong acids, peroxides, hydrazides

SECTION 11: TOXICOLOGICAL PROPERTIES

CHEMICAL NAME	ORAL LD 50	DERMAL LD 50	INHALATION LC 50
N/A	N/A	N/A	N/A

SECTION 12: ECOLOGICAL INFORMATION

Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Empty containers and waste must be disposed in accordance with federal, state, provincial, and local regulations

SECTION 14: TRANSPORTATION INFORMATION

TECHNICAL SHIPPING NAME: Pigment dispersions
HAZARD CLASS OR DIVISION: Not regulated
TDG:
CLASSIFICATION:

SECTION 15: REGULATORY INFORMATION

OSHA: This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard

CLEAN AIR ACT SECTION 112: This product contains the following components listed as Hazardous Air Pollutants: None
The products contain the following components listed as Extremely Hazardous Air Pollutants: None

SARA SECTION 302: The products contain the following components listed as Extremely Hazardous Substances: None

SARA SECTION 311/312: Hazard Classification: Immediate (acute)

SARA SECTION 313: The products contain the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Authorization Act of 1986 and 40 CFR Part 372: None

TSCA: The products or their components are listed in or exempt from the TSCA inventory requirements.
The products contain the following non-proprietary substances subject to export notification under Section 12(b) of TSCA: None

SECTION 16:**OTHER INFORMATION**

The information is furnished without warranty, representation, inducement, license of any kind, except that it is accurate to the best of PSC POLYMER SCIENCE CORPORATION's knowledge or obtained from sources believed by PSC POLYMER SCIENCE CORPORATION to be accurate and PSC POLYMER SCIENCE CORPORATION does not assume any legal responsibility for use or reliance on same. Customers are encouraged to do their own tests.

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