

High-Light Pearl Pigments

REVISION DATE: 09/21/2022

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1. CHEMICAL PRODUCTION AND COMPANY IDENTIFICATION

Product Name: High-Light Pearl Pigments (all colors)
Product ID: Blue, Violet, Green, Gold, Orange, Red, Chameleon
Chemical Family: Pigments
Common Chemical Name: Inorganic Compounds

Supplier: Color Technologies, Inc.
 102 Railroad Street
 Brooklet, GA 30415

For Chemical Emergency Call CHEMTREC (24 hours): 1-800-424-9300
 Number for non-emergency questions concerning MSDS: 912-842-2653

2. HAZARD(S) IDENTIFICATION

	HEALTH	FIRE	REACTIVITY	SPECIAL
HMIS:	1	0	0	N/A
NFPA:	1	0	0	N/A
LABEL REQUIREMENTS	29 CFR Part 1910.1200 Updated 2012 The product does not require a hazard warning label in accordance with GHS criteria.		<div>HEALTH1</div> <div>FIRE0</div> <div>REACTIVITY0</div> <div>PPEE</div>	
Physical hazards		Product not classified as dangerous.		
Health Hazards	IARC	Group 2B carcinogen		
OSHA Specific Hazards	CAUTION (1994 OSHA 29CFR1910.1200)			
Signal Words	None			
Hazard Statement(s)	H318: Causes serious eye irritation. H371: Long-term inhalation may cause irritation to respiratory tract.			
Precautionary statement	P102: Keep out of reach of children. P101 If medical advice is needed, have product container or label at hand.			
Prevention	P261: Avoid breathing dust. P264: Wash thoroughly after handling. P281: Wear personal protection equipment as necessary. P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340+P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.			
Storage	P403+P233: Store in a well-ventilated place. Keep container tightly closed. P235: Keep cool..			
Disposal	P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.			

This product is hazardous or contains components which are hazardous according to the OSHA Hazard Communication Standard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WT. %</u>	<u>TLV - TWA</u>	<u>PEL - TWA</u>
Mica	12001-26-2	51-73	3 gm/m ³ *	3 gm/m ³ *
TiO ₂	13463-67-7	15-55	15 gm/m ³ *	15 gm/m ³ *
SnO ₂	18282-10-5	<1	2 gm/m ³ *	2 gm/m ³ *
Silica	9631-86-9	0-20	80 mg/ m ³ *	6 mg/ m ³ *

* As respirable dust

4. FIRST-AID MEASURES

EYE CONTACT	Immediately flush with plenty of water for about 15 minutes. If discomfort persists, get medical aid.
SKIN CONTACT	Wash affected areas with mild soap and water. Contact physician if symptoms occur.
INHALATION	Move person to fresh air. If breathing is difficult, get medical attention.
INGESTION	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. If appropriate, induce vomiting and give 2-4 cups of milk or water. Get medical aid.
NOTES TO PHYSICIAN	None
AGGRAVATED MEDICAL CONDITIONS	None known.
SPECIAL PRECAUTIONS	Not applicable.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Alcohol foam, CO ₂ , dry chemical, sand suitable for surrounding fire.
SPECIAL FIREFIGHTING PROCEDURES	A self-contained breathing apparatus and protective clothing must be worn in fighting fires involving chemical.
EXTINGUISHING MEDIA TO AVOID	Water Jet may disperse fire. Use low-pressure of fog if water is used.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS	Use a self-contained breathing apparatus and protective clothing. Dike for water control. Do not allow run-off into sewers or water sources.
HAZARDOUS DECOMBUSTION PRODUCTS	Will not burn under normal atmospheric conditions.

6. ACCIDENTAL RELEASE MEASURES

ONTAINMENT	Dike to stem large quantities of powder from flowing.
CLEAN-UP	Sweep/vacuum avoiding generating dust.
DISPOSAL	Dispose of in accordance with local, state, and federal regulations.

7. SAFE HANDLING AND USE INFORMATION

GENERAL HANDLING:	Avoid inhalation and eye contact
OTHER STORAGE AND HANDLING:	None.
RESPIRATORY PROTECTION:	Engineering or administrative controls should be implemented to reduce exposure to dust. NIOSH approved respirators should be used where ventilation is not adequate.
VENTILATION:	Provide sufficient mechanical (general and/or local exhaust) ventilation to minimize exposure.
SKIN PROTECTION:	Wear gloves that afford proper protection to the hands.
EYE PROTECTION:	Wearing safety glasses in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type eye protection. (Consult your safety equipment supplier.)
OTHER PROTECTIVE EQUIPMENT:	Work clothing that covers arms and legs.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

GROUNDING:	Not required under normal use conditions.
OTHER PRECAUTIONS:	Containers of this material may be hazardous when empty. Since empty containers retain product residues (vapors, liquid, and/or solids), all hazard precautions given in this MSDS must be observed.

8. EXPOSURE CONTROLS

RESPIRATORY PROTECTION:	Positive pressure air supplied respirator recommended when confined with fumes associated with combustion.
VENTILATION:	General ventilation/exhaust recommended to achieve vapor concentration below PEL.
SKIN PROTECTION:	Impervious gloves can be worn. Long sleeves and pants as necessary to minimize skin contact.
EYE PROTECTION:	Safety glasses or chemical goggles recommended.
OTHER PROTECTIVE EQUIPMENT:	DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated.

9. PHYSICAL DATA

COLOR	White	FORM/APPEARANCE	Powder
ODOR	None	BOILING POINT	N/A
SPECIFIC GRAVITY (H₂O=1)	~3	pH	6-10 (10% aqueous slurry)
FREEZING POINT	>900°C	DECOMP. TEMP.	No Data
VAPOR PRESSURE	N/A	VAPOR DENSITY (AIR = 1)	N/A
SOLUBILITY IN H₂O	Insoluble	VOLATILE BY VOL.	0%
VOLATILE BY WEIGHT	0%	VOCS, GRAMS/LTR	0%
VOCS, LBS/GAL	0	AUTOIGNITION:	Not Flammable
FLASH POINT	Not Flammable	FLAM. LIMITS (% in air)	N/A

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:	No Data
CONDITIONS TO AVOID:	No Data
INCOMPATIBILITY:	No Data
HAZARDOUS POLYMERIZATION:	Does not occur
STABILITY:	This product is stable and acid and alkali resistant under normal conditions.
CORROSIVE PROPERTIES:	Not corrosive.
OXIDIZER PROPERTIES:	Not an oxidizer.

11. TOXICOLOGICAL INFORMATION

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

TOXICOLOGY TEST DATA:

TEST	RESULT
Animal testing using pigments of this type indicate no toxicological relevant properties.	

EFFECTS OF OVEREXPOSURE:

ACUTE OVEREXPOSURE EFFECTS	Inhalation: High concentration of mist may be irritating to the upper respiratory tract. Ingestion May cause discomfort if swallowed. Skin contact Prolonged or repeated exposure may cause irritation and burns. Eye contact Repeated exposure causes irritation with serious eye damage possible.
CHRONIC OVEREXPOSURE EFFECTS	Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals, and may aggravate pre-existing disorders of these organs in humans: mild, reversible kidney effects, effects on hearing, respiratory tract (nose, throat, and airways), Cancer (IARC Group 2B – Possibly carcinogenic to humans).

12. ECOLOGICAL INFORMATION

OXYGEN DEMAND:	Not Determined
ACUTE AQUATIC EFFECTS:	No environmental hazard is anticipated provided that the material is handled and disposed with due care and attention.

13. DISPOSAL CONSIDERATIONS

Discharge, treatment or disposal may be subject to national, state or local laws. Incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORTATION INFORMATION

DOT (USA):	Not Regulated
POSSIBLE SHIPPING DESCRIPTION(S):	Not Regulated
SEA – IMDG (International Maritime Dangerous Goods)	Not Regulated
AIR – ICAO (International Civil Aviation Organization)	Not Regulated

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS (Canada) Status	Not a controlled product
WHMIS (Canada) Hazard Classification	None
SARA 311-312 Hazard Classification(s)	N/A
Carcinogenicity Classification (components present at 0.1% or more)	IARC: Group 2B carcinogen (Possible human carcinogen)
TSCA (US Toxic Substances Control Act)	Listed
DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act)	Listed
EINECS (European Inventory of Existing Commercial Chemical Substances)	No Information
AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme)	No Information
MITI (Japanese Handbook of Existing and New Chemical Substances)	No Information
ECL (Korean Toxic Substances Control Act)	No Information
Philippines Inventory (PICCS)	No Information
Inventory of Existing Chemical Substances in China	No Information
CLEAN AIR ACT AMMENDMENTS (ODS)	No Information

-PROP 65 (CARCINOGEN)

CHEMICAL NAME	CAS NUMBER

16. OTHER INFORMATION

Revision number: 3 – Update

Prepared By: Color Technologies Environmental Health & Safety Group

The information in this Material Safety Data Sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and for persons working with or handling this product. The information presented in the MSDS is premised upon proper handling and anticipated uses, and is for the material without chemical additions/alterations. We believe this information to be reliable and up-to-date as of the date of publication, but make no warranty that it is. Additionally, if this Safety Data Sheet is more than three years old, please contact the supplier at the phone number listed in Section 1 to make certain that this sheet is current. Copyright Color Technologies, Incorporated. License granted to make unlimited copies for internal use only. End of SDS.....