

MATERIAL SAFETY DATA SHEET

Date of Last Revision: 2024-2-15

SECTION 1--CHEMICAL PRODUCT/COMPANY IDENTIFICATION

TRADENAME: VQ-D Series Fluorescent Pigments

CHEMICAL FAMILY: Dyed polymer

APPLICABLE SHADES: Blue

SECTION 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS NO:	%
Dyed polymer	132-53-5 Proprietary	100

The composition of this product is proprietary although, in certain circumstances, its composition will be disclosed pursuant to 29 CFR 1910.1200(i).

SECTION 3-- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Product is a brightly colored fine powder; will burn if involved in a fire.

POTENTIAL HEALTH EFFECTS: Eye contact may irritate or scratch the surface of the eye. Moderate skin contact should not irritate but excessive or prolonged contact or rubbing may cause mechanical irritation. Excessive inhalation of dust may irritate the respiratory tract.

Under some conditions of use and storage, air concentrations of formaldehyde reaching or exceeding 0.1 ppm may occur. Formaldehyde is a potential cancer hazard, highly irritating to the eyes, nasal passages, and throat, and may cause sensitization of the respiratory system.

PRIMARY ROUTES OF ENTRY: Skin/eye contact.

CARCINOGENICITY: This product is not considered a carcinogen by OSHA, NTP, or IARC.

However, formaldehyde, a byproduct of this product, is a potential cancer hazard (OSHA), a suspected human carcinogen (ACGIH), a probable human carcinogen (IARC), and an experimental animal carcinogen (IARC, NTP). Formaldehyde is known to the P.R.China to cause cancer.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: By exposure to the product, none known. By exposure to formaldehyde, chronic diseases of the respiratory system, skin, and eyes.

SECTION 4 - FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush with water for 15 minutes. If irritation develops, get immediate medical attention.

Skin: Wash with soap and water. If irritation develops, get medical attention.

Inhalation: Remove to fresh air. If breathing is difficult, get immediate medical attention.

Ingestion: Do not induce vomiting. Get immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION: Nonflammable.

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FLASH POINT, deg C: None.

FLAMMABLE LIMITS IN AIR: Not applicable for product. For formaldehyde, LEL=7%, UEL=73%.

EXTINGUISHING MEDIA: Foam, CO2, dry chemical, water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May form an explosive dust cloud if the finely divided particles are suspended in air.

SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus to protect against potential harmful and/or irritating fumes.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED: Vacuum or sweep into a suitable container for reuse or appropriate disposal. Wear protective gloves, safety goggles, and a respirator if necessary. Avoid breathing dust and minimize dust generation and accumulation.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Ground and bond containers when transferring product to prevent dust explosion. Avoid dust generation. Use in accordance with good industrial workplace practices. Avoid unnecessary contact. Wash thoroughly after handling.

STORAGE: store in a dry area away from flames, sparks, static build up, and excessive heat.

OTHER PRECAUTIONS: Keep container closed when not in use to protect product quality. For industrial use only.

SECTION 8- EXPOSURE AONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation.

PROTECTIVE GLOVES: Synthetic gloves if necessary to prevent excessive skin contact.

RESPIRATORY PROTECTION: NIOSH approved formaldehyde vapor respirator if formaldehyde exposure limits may be exceeded.

EYE PROTECTION: chemical goggles if necessary to prevent contact and mechanical irritation.

OTHER PROTECTIVE EQUIPMENT: Eye wash and emergency showers should be available.

EXPOSURE GUIDELINES:

Material	OSHA PEL	AGGIH TLV
Product	not established	not established
Particulates Not otherwise Regulated (PNOR)	15mg/m3	not applicable
Particulates Not Otherwise Classified (PNOC)	not applicable	10 mg/m3
Formaldehyde	0.75ppm, 2ppm STEL	0.3ppm (ceiling)

SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Brightly colored fine powder

TYRE OF ODOR: Slight aldehyde odor

PHYSICAL STATE: Solid

pH: Not applicable

SPECIFIC GRAVITY: 1.3

SOFTENING POINT: 270-280 deg C

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SOLUBILITY IN WATER: Insoluble
PERCENT VOLATILE BY WEIGHT: Nil

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable, hazardous decomposition not expected.

INCOMPATIBILITY WITH OTHER MATERIALS: No specific incompatibility but, as with other organic materials, avoid contact with strong oxidizing agents.

DECOMPOSITION: If involved in a fire, thermal decomposition may produce toxic oxides of carbon, sulfur, and/or nitrogen.

POLYMERIZATION: Hazardous polymerization will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

MATERIAL	TOXICITY		
	ACUTE ORAL, RAT	PRIMARY SKIN, RABBIT	INHALATION, RAT LC50
Product	>5000 mg/kg	Draize score = 0.4, (non - irritating)	not established
Formaldehyde	800mg/kg (LD50)	270 mg/kg (LD50)	474 ppm (4hr)

SECTION 12 - ECOLOGICAL INFORMATION

STATIC ACUTE AQUATIC TOXICITY:

Product, LC50 = not established;

Formaldehyde, LC50 (various fish species) 10-1000ppm

SECTION 13 - DISPOSAL CONSIDERATIONS

RCRA STATUS: This product, if discarded, is not regulated as a hazardous waste under 40 CFR 261.

WASTE DISPOSAL METHOD: Dispose of unused product and empty containers in accordance with all applicable Federal, state and local environmental regulations. Do not dump into sewers, on the ground, or in any body of water.

SECTION 14 - TRANSPORTATION INFORMATION

This product is not regulated as a hazardous material by U.S.DOT.

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

OSHA STATUS: This product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None.

SECTION 311/312 HAZARD CATEGORIES:

Acute:	Yes
Chronic:	Yes
Fire:	Yes
Sudden release of pressure:	No
Reactive:	No
SECTION 313 TOXIC CHEMICALS:	No reportable components
CERCLA REPORTABLE QUALITIES:	None.

TSCA INVENTORY STATUS: Reported/included

SECTION 16 - OTHER INFORMATION

HMIS RATING:

Health:	2
Flammability:	1
Reactivity:	0
Personal Protection:	Supplied by user according to use conditions.

REVISION INDICATOR: 11/1/01 - Revised format.

NOTICE

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