

**Material Safety Data Sheet**  
**Pigment yellow 81**

**I. Product Identification**

Product Name Pigment Yellow 81

Color Index Name Pigment Yellow 81 Color Index Number 21127

Chemical Class Diarylide M.W. 754.49

Use Description :

Synthetic organic pigments are found in most product that are colored, such as printing inks, paints, plastics, cosmetics, contact lenses, medical devices, crayons, textile fibers, and numerous other applications.

Manufacturer :

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Composition/Information on Ingredients

Diarylide Yellow 81 C.A.S. : 22094-93-5

This product is not considered to be a hazardous nor dangerous substance as defined under EEC's Dangerous Substances Directives 67/548/EEC & 88/379/EEC & OSHA's Hazard Communication Standard (29 CFR 1910.1200).

**II. Hazards Identification** Emergency Overview

When invoiced in a fire or exposed to high temperatures for an extended period time, organic pigments may smolder or burn evolving noxious fumes which can include oxides of nitrogen and carbon, or other toxic compounds.

**III. First and Measures** EYE CONTACT

Flush eyes thoroughly with large amounts of water for at least fifteen minutes. Get medical attention. SKIN CONTACT

Wash skin with soap and water. Remove severely contaminated clothing and clean before reuse. Seek medical attention in the unlikely event that irritation occurs.

INHALATION

Remove to fresh air. Get medical attention if breathing is difficult.

INGESTION

Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get immediate medical attention.

**IV. Fire Fighting Measures**

Nonflammable organic pigment product.

Extinguishing Media

Carbon dioxide, dry chemical or foam recommended. Apply water spray to cool exposed closed containers.

Special Fire Fighting Procedures

Self-contained breathing apparatus (SCBA) & full protective equipment recommended. Unusual Fire & Explosion Hazards

Fire or excessive heat may produce hazardous decomposition products.

General Hazard

Improper handling of any finely divided organic pigment powder may lead to dust cloud formation which may be an explosion hazard.

Flammability Data

Flash Point Non-flammable material

Flammability Limits No data

Autoignition Temperature No data

Dust Cloud Ignition Temperature No data

**V. Fire Fighting Measures**

Dust Layer Ignition Temperature	No data
NFPA RATINGS	HMIS RATINGS
Health 2	Health 2
Flammability 1	Flammability 1
Reactivity 0	Reactivity 0

**VI. Accidental Release Measures** Small Spill

For dry powder spills, inert material such as sand may be added to control dusting prior to cleanup. Industrial grade vacuum sweepers are also recommended. Place spilled material into appropriate waste containers for disposal.

Large Spill

Contain spilled material immediately with an inert substance such as sand or earth. Use plastic or aluminum shovel to transfer diluted waste material into appropriate containers for disposal. Airborne organic pigment dust may be an explosion hazard. Secure possible sources of ignition and avoid dusting.

**VII. Handling and Storage**

Handling

Avoid employee exposure through the use of appropriate engineering controls good industrial hygiene practices

Storage

Store in a moderately cool, dry, well-ventilated area away from direct sources of Heat. Empty containers may contain product residues and should be handled appropriately. Position containers so that any labeling information is visible.

**VIII. Exposure Controls/Personal Protection** Engineering

Controls

The use of local exhaust ventilation is recommended.

Personal Protection

EEC approved dust respirators are recommended when handling in areas of pigment dusting.

Safety glasses are also recommended. Impervious clothing should be worn when gross contact is likely, such as when cleaning up spills of large amounts Exposure Limits

There are no EEC's established for this product.

**IX. Physical and Chemical Properties**

Appearance	Finely divided dry powder	Percent Volatile	Negligible
Color	Yellow	Vapor Pressure	Not applicable
Melting Point	No data	Molecular Formula	C H Cl N O
Specific Gravity	1.41	Volatile Organic	None
Solubility	Insoluble in water	Compounds (VOC's)	

**X. Stability and Reactivity** General:

This product is a stable compound and hazardous polymerization will not occur.

Incompatibility:

Avoid strong oxidizing agents such as peroxides, chlorates, perchlorates, nitrates, and permanganates. Oxidizing materials may vigorously evolve oxygen in large amounts.

Hazardous Decomposition Products:

When involved in a fire, burning organic pigments may evolve noxious gases which are toxic.

These compounds may include carbon monoxide, carbon dioxide, nitrous oxides, or hydrogen chlorides, depending on the pigment type.

**XI. Toxicological Information** General

Based upon industry-wide experience over many years of manufacturing and published

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toxicological studies, organic pigments in general are considered to be practically non-toxic. This low order of toxicity is probably due to the fact that pigments are somewhat inert and insoluble substances.

Acute (Short-Term) Toxicity

This product has a reported acute oral LD50 value of 5 mg/kg or greater in rats.

Chronic (Long-Term) Toxicity

No known published data available.

Mutagenicity

No known published data available.

**XII. Ecological Information**

This product has not been evaluated for its ecotoxicity. However, the biodegradation of organic colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since organic pigments are generally insoluble compounds, they believed to have minimal bioaccumulation and bioavailability characteristics.

**XIII. Disposal Considerations**

General

This product must be disposed of in according with all applicable international, federal, state and local regulations.

Waste Management

Contact the state or local environmental agency for specific rules.

**XIV. Transportation Information**

D.O.T. Shipping Name(49 CFR 172.101-102)	Not regulated
D.O.T. Hazard Class (49 CFR 172.101-102)	None
D.O.T. Label	None
UN/NA NUMBER	Not .
IMDG/IAGO CLASSIFICATION	
IATA CLASSIFICATION	

**Regulatory Information**

OSHA Hazard Communication Standard Status

This product is not considered to be a hazardous substance under OSHA, s Federal Hazard Communication Standard 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA) Status

This product is certified to be in full compliance with Section 6(e) of TSCA, 15 U.S.C.,2605(e) regarding inadvertently generated PCB, s.

CERCLA Reportable Quantity 9RQ)

None (Not regulated)

SARA Title III

Section 302 (EHS) None Section 311/312 (acute) Immediate Health Hazard

Section 313 None

RCRA

Not regulated as a hazardous waste under RCRA

EINECS (European Economic Community)

All components of this product are on the EINECS list.

California's Proposition 65 Regulated Substances

PCB, s : Concentrations may vary from non-detectable up to 50 ppms

3,3, DCB : Levels of residual unreacted DCB may vary from undetectable up to 25 ppms.

CONEG Status

This product is certified to be in full compliance with CONEG Model Legislation for packaging and

packaging ink components.

#### **IVI. Other Information**

For more information contact Product Safety at  
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