

Products Name: PHOTOCONDUCTOR

MSDS No.: DIO-019Q

Issue Date: 2 November 2001

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PHOTOCONDUCTOR

used for: magicolor 2200 series printers

Supplier Identification:

Minolta Co., Ltd.

3-13, 2-Chome, Azuchi-Machi, Chuo-Ku, Osaka 541-8556 JAPAN

Contact Point:

Minolta-QMS, Inc.

One Magnum Pass, Mobile, Alabama USA 36618

Tel: (251) 633-4300

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients:

None present

Major Ingredients:

[Generic Name]	[CAS No.]	[%]
Substrate		>97
Aluminum drum	+++	
Coating layer		< 3
Binder resin	+++	
Photosensitive material	+++	
Pigment	+++	

+++ : Supplier's confidential information

Products Name: PHOTOCODUCTOR

MSDS No.: DIO-019Q

Issue Date: 2 November 2001

3. HAZARDS IDENTIFICATION

Most Important Hazards and Effects of the Products

For Human Health: No symptoms expected with intended use.

For the Environment: No data are available on the adverse effects of this product on the environment.

For Others: None

Specific Hazards: None

4. FIRST-AID MEASURES

Symptoms of Overexposure: No symptoms expected with intended use.

Routes of Entry: None

Information

Inhalation: No treatment is required.

Skin Contact: No treatment is required.

Eye Contact: No treatment is required.

Ingestion: No treatment is required.

Note to Physician: None

5. FIRE-FIGHTING MEASURESSuitable Extinguishing Media: CO₂, water, foam and dry chemical

Extinguishing Media to Avoid: None

Special Firefighting Procedures: None

Fire and Explosion Hazards: This material has no unusual fire or explosive hazards.

Protection of Firefighters: No special equipment is required.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Not applicable with intended use.

Environmental Precautions: Not applicable with intended use.

Methods for Cleaning Up: Not applicable with intended use.

7. HANDLING AND STORAGE

Handling

Technical Measures: None

Precautions: This product will be scorched in the case of fire.

Safe Handling Advice: None.

Storage

Technical Measures: None

Storage Conditions: Keep and Store in a cool and dry place.

Incompatible Products: None

Packing Materials: Cardboard box designated by Minolta.

Products Name: PHOTOCODUCTOR

MSDS No.: DIO-019Q

Issue Date: 2 November 2001

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures

Ventilation: None required with intended use.

Control Parameters

OSHA-PEL(USA): Not Applicable ACGIH-TLV(USA): Not Applicable

DFG-MAK(EC): Not Applicable Worksafe-TWA(Austl): Not Applicable

Personal Protective Equipment

None required when used as intended in Minolta equipment.

Hygiene Measures: Wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State: Solid Form: Cylinder Color: Green

Odor: Odorless

<<Results of the coated compounds on the aluminum substrate.>>

Boiling Point: Not applicable

Melting/Softening Point: No data available

Flash Point: Not applicable

pH: Not applicable

Explosion Properties: Not applicable

Density(g/cm³): 2.7

Solubility in water: insoluble

Flammability: Not applicable

Oxidizing Properties: No data available

Ignition Temperature(°C): No data available

Vapor Pressure: Not applicable

Partition Coefficient, n-Octanol/Water: Not applicable

* = Based on data for other Minolta Products with similar ingredients)

10. STABILITY AND REACTIVITY

Stability: Stable [X] Unstable []

Hazardous Reactions: None

Conditions to avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: CO, CO₂

Products Name: PHOTOCODUCTOR

MSDS No.: DIO-019Q

Issue Date: 2 November 2001

11. TOXICOLOGICAL INFORMATION

Health Effects from Exposure: No symptoms expected with intended use.

Toxicological Data

<<Result of the coated compounds on the aluminum substrate.>>

Acute Toxicity:

Inhalation, LC50 (mg/l): Not applicable
Ingestion (oral), LD50 (mg/kg): >3570 (Rats) *
Dermal, LD50 (mg/kg): Not applicable
Eye irritation: Mild irritation (Rabbits) *
Skin irritation: Non irritant (Rabbits) *
Skin sensitizer: No data available

Mutagenicity: Negative (AMES test)

(*= Based on data for other Minolta Products with similar ingredients)

Local Effects: No data available

Chronic Toxicity or Long Term Toxicity: None

Carcinogenicity

IARC Monographs: Not listed
NTP (USA): Not listed
OSHA Regulated (USA): Not listed

12. ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment.

13. DISPOSAL CONSIDERATION

Appropriate Methods of Disposal

Waste may be disposed or incinerated under conditions which meet all federal, state and local environmental regulations.

14. TRANSPORT INFORMATION

Special Precautions: None

Information on Code and Classifications According to International Regulations

UN Classification: None

Products Name: PHOTOCODUCTOR

MSDS No.: DIO-019Q

Issue Date: 2 November 2001

15. REGULATORY INFORMATION

US Information

Information on the label: Not required

SARA (Superfund Amendments and Reauthorization Act) Title III

302 Extreme Hazardous Substance: None

311/312 Hazard Categories: None

313 Reportable Ingredients: None

California Proposition 65:

This product contains no chemical substances subject to California Proposition 65.

EU Information

Information on the label (88/379/EEC and 67/548/EEC):

Symbol & Indication: Not required

R-Phrase: Not required

S-Phrase: Not required

16. OTHER INFORMATION

NFPA Hazard Rating: The National Fire Protection Agency (USA):

Health: 0 Flammability: 1 Reactivity: 0

HMIS RATING: The National Paint and Coating Association (USA):

Health: 0 Flammability: 1 Reactivity: 0

Recommended Uses:

Photoconductor for Electrophotographic Equipment

Restrictions:

Information on this data sheet represents our current data and the best opinion as to the proper use in handling of this product under normal conditions specified in our User's Manual. However, neither Minolta Co., Ltd. nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we do not guarantee that these are the only hazards which exist.

Literature References:

ANSI Z400.1-1993

ISO 11014-1

Commission Directive 91/155/EEC