



MINOLTA

MATERIAL SAFETY DATA SHEET

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Products Name: PHOTOCONDUCTOR

MSDS No.: DIO-015

Date Printed: 3-Mar-99

Date Prepared: 1-Jul-96

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PHOTOCONDUCTOR

used for: PagePro8, PagePro8e, PagePro8L

Supplier Identification:

Minolta Co., Ltd.

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

Telephone: +81-6-6271-2251 Facsimile: +81-6-6266-1010

Contact Point:

Minolta Co., Ltd. (Quality Advancement Division)

2-30, Toyotsu-Cho, Suita-Shi, Osaka 564-0051 Japan

Facsimile: +81-6-6386-6254

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients:

None present

Major Ingredients:

[Generic Name]	[CAS No.]	[WT%]
Substrate		>99
Aluminum drum	+++	
Coating layer		< 1
Binder resin	+++	
Photosensitive material	+++	
Pigment	+++	

+++ : Supplier's confidential information



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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

Further Information: None

5. FIRE-FIGHTING MEASURES

Suitable 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.

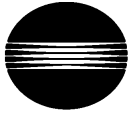
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Not applicable with intended use.

Environmental Precautions: Not applicable with intended use.

Methods for Cleaning Up: Not applicable with intended use.

Further Information: None



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7. HANDLING AND STORAGE

Handling

Technical Measures: None

Precautions: This products 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.

Further Information: None

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

Respiratory protection: None required when used as intended in Minolta equipment.

Hand Protection: None required when used as intended in Minolta equipment.

Eye protection: None required when used as intended in Minolta equipment.

Skin Protection: None required when used as intended in Minolta equipment.

Other: None

Hygiene Measures: Wash hands after handling.

Further Information: None



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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-octagonal/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
Further Information: None

11. TOXICOLOGICAL INFORMATION

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

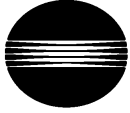
Toxicological Data

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

Acute Toxicity:

Inhalation, LC₅₀(g/m³/4h): Not applicable
Ingestion(oral), LD₅₀(mg/kg): >3570 (Rats) *
Dermal, LD₅₀(mg/kg): Not applicable
Eye irritation: Mild irritation (Rabbits) *
Skin irritation: Not an irritant (Rabbits) *
Skin sensitizer: No data available

Mutagenicity: Negative (AMES test)



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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

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

12. ECOLOGICAL INFORMATION

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

Persistence/Degradability: No data are available on the adverse effects of this material on the environment.

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

Ecotoxicity

Behavior in Sewage Works: No data are available on the adverse effects of this material on the environment.

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

Ecological Data(EC)

Csb Value(EC): No data are available on the adverse effects of this material on the environment.

AOX-Remark(EC): No data are available on the adverse effects of this material on the environment.

BsB5 Value(EC): No data are available on the adverse effects of this material on the environment.

Significant Components(EC): Not applicable

13. DISPOSAL CONSIDERATION

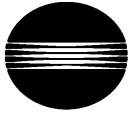
Appropriate Methods of Disposal

Preparation(community provisions):

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

Contaminated Packaging:

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



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14. TRANSPORT INFORMATION

Special Precautions: None

Information on Code and Classifications According to International Regulations

UN Classification: None

Land

RID(EC): None

ADR(EC): None

DOT(USA): None

Inland Waterways

ADNR(Rhine R.): None

Sea

IMDG: None

Air

ICAO-TI: None

IATA-DGR: None

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.

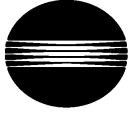
EU Information

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

Symbol & Indication: Not required

R-Phrase: Not required

S-Phrase: Not required



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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 Printer

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

TRGS 220: Sicherheitsdatenblatt für gefährliche Stoffe und Zubereitungen

ISO 11014-1

Commission Directive 91/155/EEC

The Material Safety Data sheet: A Practical Guide to First Aid:

Canadian Centre for Occupational Health and Safety's publication

HMIS IMPLEMENTATION MANUAL: National Paint & Coatings association