Products Name: PHOTOCONDUCTOR

Prepared Date:9-Jul-1998
Revised Date: 14-Oct-2022

Purpose of this Document
Konica Minolta provides this document voluntarily as a service to its customers. This product is generally viewed as an "article" which is exempt from requirements for Safety Data Sheets (SDS) in many countries.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product Name: PHOTOCONDUCTOR

1.2. Relevant identified uses of the substance or mixture and uses advised against
used for: PagePro8, PagePro8e, PagePro8L, PagePro1100, PagePro1100L, PagePro1300W

1.3. Details of the supplier of the safety data sheet

Supplier Identification:

Konica Minolta Business Solutions Europe GmbH
Europaallee 17, D-30855 Langenhagen, Germany e-mail address : env@konicaminolta.eu
Telephone: +49-(0)511-7404-361 Facsimile: +49-(0)511-7404-396

1.4. Emergency telephone number
Information centre specialized on symptoms of poisoning
Telephone: +49-30-19240

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Regulation (EC) No 1272/2008
Classification: Not classified as dangerous.

Hazard Communication Standard (USA)
Classification: Not classified as dangerous.

2.2. Label elements
LABEL ELEMENTS

Precautionary pictograms:	---
Signal word:	---
Hazard Statement:	---
Precautionary Statements:	---

2.3. Other hazardsOther Hazards
Other Hazards
None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Major Ingredients:

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

+++: Supplier's confidential information

Hazardous Ingredients:

None present

4. FIRST-AID MEASURES

4.1. Description of 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

4.2. Most important symptoms and effects, both acute and delayed

Not available.

4.3. Indication of any immediate medical attention and special treatment needed

Not available.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media: CO_2, water, foam and dry chemical

Extinguishing Media to Avoid: None

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Protection of Firefighters: No special equipment is required.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Not applicable with intended use.

6.2. Environmental precautions

Not applicable with intended use.

6.3. Methods and material for containment and cleaning up

Not applicable with intended use.

6.4. Reference to other sections

None

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Technical Measures: None
Precautions: This product will be scorched in the case of fire.
Safe Handling Advice: None.

7.2. Conditions for safe storage, including any incompatibilities

Technical Measures: None
Storage Conditions: Keep and Store in a cool and dry place.
Incompatible Products: None
Packing Materials: None

7.3. Specific end use(s)

Not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Control Parameters

OSHA-PEL(USA):	Not Applicable	ACGIH-TLV(USA):	Not Applicable
DFG-MAK(EC):	Not Applicable	Safe Work Australia-TWA:	Not Applicable

8.2. Exposure controls

Engineering Measures

Ventilation: None required with intended use.

Personal Protective Equipment

None required when used as intended in Konica Minolta equipment.

Hygiene Measures: Wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Physical State: Solid Form: Cylinder Color: Green

Odor:	Almost 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
Upper/ lower flammability or explosive limits	No data available
Density(g/cm³):	2.7
Solubility in water:	insoluble
Flammability:	Not applicable
Oxidizing Properties:	No data available
Auto-Ignition Temperature(°C):	No data available
Vapor Pressure:	Not applicable
Vapor density:	Not applicable
Partition Coefficient, n-Octanol/Water:	Not applicable
Decomposition temperature:	Not applicable

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

9.2. Other information

No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: None.

10.2. Chemical stability

Stability: Stable

10.3. Possibility of hazardous reactions

Hazardous Reactions: None

10.4. Conditions to avoid

Conditions to avoid: None

Materials to Avoid: None

10.5. Incompatible materials

No Information.

10.6. Hazardous decomposition products

Hazardous Decomposition Products: CO, CO2

11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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):	>2000 (Rat)
Dermal, LD50(mg/kg):	Not applicable
Eye irritation:	Mild irritation (Rabbit)
Skin irritation:	Non irritant (Rabbit)
Skin sensitizer:	No data available
Mutagenicity:	Negative (AMES test)

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

11.2. Information on other hazards

No data available.

12. ECOLOGICAL INFORMATION

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

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

13. DISPOSAL CONSIDERATION

13.1. Waste treatment methods

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

14. TRANSPORT INFORMATION

14.1. UN number or ID number

None (Not a dangerous good under IATA or IMDG.)

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

None

14.7. Maritime transport in bulk according to IMO instruments

None

Other countries

Australia Information

Hazchem code (Austl.): None

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

US Information

California Proposition 65:

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

CERCLA(Comprehensive Environmental Response Compensation and Liability Act) :

None.

SARA Title III (Superfund Amendments and Reauthorization Act) 302 Extreme Hazardous Substance :

None.

311/312 Hazard Categories :

None.

313 Reportable Ingredients :

None.

EU Information

This safety datasheet is out of the scope of the requirements of Article 31 of Regulation (EC) No. 1907/2006.

・Regulation (EC) No 1005/2009 of the European Parliament and of the Council on Substances That Deplete the Ozone Layer: Not applicable

・Regulation (EU) 2019/1021 of the European Parliament and of the Council on Persistent Organic Pollutants (POPs): Not applicable

・Regulation (EU) No 649/2012 of the European Parliament and of the Council on Concerning the Export and Import of Dangerous Chemicals (PIC): Not applicable

・Directive 2012/18/EU of the European Parliament and of the Council on the Control of Major-Accident Hazards Involving Dangerous Substances, Amending and Subsequently Repealing Council Directive 96/82/EC, (Seveso III): Not applicable

・Regulation (EC) No 1907/2006 of the European Parliament and of the Council:

-Annex XIV- List of Substances Subject To Authorization: Not applicable

-Annex XVII- Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: Not applicable

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15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out.

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

Abbreviations:

ACGIH-TWA: Threshold Limit Value of American Conference of Government Industrial Hygienists
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
DFG-MAK: Maximale Arbeitsplatz-Konzentration by Deutsche Forschuugsgemeinschaft
DGR: Dangerous Goods Regulations
EINECS: European Inventory of Existing Commercial Chemical Substances
H-Code: Hazard Code
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods Code
NTP: National Toxicology Program
OEL: Occupational exposure limit
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
SARA: Superfund Amendments and Reauthorization Act
TSCA: Toxic Substances Control Act
vPvB: very Persistent and very Bioaccumulative

Revision Information: Regular revision on revised date.

Literature References:

ANSI Z400.1-1993
ISO 11014-1
Commission Directive 91/155/EEC

Restrictions:

The above information is believed to be accurate and represents the best information currently available to Our Corporation. However, Our Corporation makes no warranty with respect to such information, and Our Corporation assumes no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.