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Products Name: DRUM (PHOTOCONDUCTOR)

Prepared Date:7-Aug-1998

Revised Date: 1-May-2015

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

Product Name: DRUM (PHOTOCONDUCTOR)

used for: ColorPagePro Series, CF30

Supplier Identification:

Konica Minolta, Inc.

2-7-2, Marunouchi, Chiyoda-ku, Tokyo, 100-7015, JAPAN

Telephone: +81-42-660-9409

Facsimile: +81-42-660-9417

【China】

This product is not a hazardous chemical under Regulation on Safe Management of Hazardous Chemicals in China(Decree 591).

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## 2. HAZARDS IDENTIFICATION

### Regulation (EC) No 1272/2008

Classification: Not classified as dangerous.

### Hazard Communication Standard (USA)

Classification: Not classified as dangerous.

### LABEL ELEMENTS

Precautionary pictograms: ---

Signal word: ---

Hazard Statement: ---

Precautionary Statements: ---

### Other Hazards

None

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### 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

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### 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

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### 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: CO<sub>2</sub>, 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.

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## 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.

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## 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: None

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## 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
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DFG-MAK(EC):	Not Applicable	Worksafe-TWA(Austl):	Not Applicable
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### Personal Protective Equipment

None required when used as intended in Konica Minolta equipment.

Hygiene Measures: Wash hands after handling.

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## 9. 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/cm<sup>3</sup>):

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)

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## 10. STABILITY AND REACTIVITY

Reactivity: None.

Stability: Stable

Hazardous Reactions: None

Conditions to avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: CO, CO<sub>2</sub>

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## 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):	>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

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## 12. ECOLOGICAL INFORMATION

No data available

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## 13. DISPOSAL CONSIDERATION

### Appropriate Methods of Disposal

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

Further information: Not a dangerous good under IATA or IMDG.

Hazchem code (Austl.): None

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## 15. REGULATORY INFORMATION

### 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 complies with the requirements of Regulation (EC) No. 1907/2006.

- Regulation (EC) No 2037/2000 of the European Parliament and of the Council on Substances That Deplete the Ozone Layer: Not applicable

- Regulation (EC) No 850/2004 of the European Parliament and of the Council on Persistent Organic Pollutants and Amending Directive 79/117/EEC (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

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

### Canada Information

WHMIS (Canada): This product is NOT subject to the controlled products regulations.

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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 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 Forschungsgemeinschaft

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

WHMIS: Workplace Hazardous Materials Information System

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.

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