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Products Name: DRUM (PHOTOCONDUCTOR) DR411

Prepared Date:19-Feb-2010

Revised Date: 14-Oct-2022

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### **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: DRUM (PHOTOCONDUCTOR) DR411

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

used for: bizhub 423/363/283/223, 42/36

### **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

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## **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 hazards**

#### **Other Hazards**

None

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Major Ingredients:

[Generic Name]	[CAS No.]	[%]
Substrate		>95
Aluminium drum	7429-90-5	
Coating layer		<5
Polycarbonate	+++	
OPC compound	+++	
Organic pigment	+++	

+++ : Supplier's confidential information

Hazardous Ingredients:

None present

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### 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.

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### 5. FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

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

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## 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

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## 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.

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## 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical State: Solid

Form: Cylinder

Color: Dark 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>):

1.2

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

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## 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, CO<sub>2</sub>

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## 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):	No data available
Dermal, LD50(mg/kg):	Not applicable
Eye irritation:	No data available
Skin irritation:	No data available
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.

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## 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

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### 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.

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### 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

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### 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

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- 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

### 15.2. Chemical safety assessment

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

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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

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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