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Products Name: DRUM (PHOTOCONDUCTOR) DR212

Prepared Date:17-Sep-2013

Revised Date: 25-May-2016

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

Product Name: DRUM (PHOTOCONDUCTOR) DR212

used for: bizhub 25e, 28e

Supplier Identification:

Konica Minolta Business Solutions (Canada), Ltd.

5875 Explorer Drive Mississauga, Ontario L4W 0E1

Telephone: (866)890-6600

Facsimile: (905)283-2511

Emergency Telephone No.

CHEMTREC

Telephone: 1-800-424-9300

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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		>98
Aluminium drum	7429-90-5	
Coating layer		< 2
Polycarbonate resin	+++	
Organic 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: 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.

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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

DFG-MAK(EC): Not Applicable

Safe Work Australia-TWA:

Not Applicable

## 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:

Odorless

&lt;&lt;Results of the coated compounds on the aluminum substrate.&gt;&gt;

Boiling Point:

Not applicable

Melting/Softening Point:

Not applicable

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>):

No data available

Solubility in water:

insoluble

Flammability:

Not applicable

Oxidizing Properties:

No data available

Auto-Ignition Temperature(°C):

Not applicable

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

&lt;&lt;Result of the coated compounds on the aluminum substrate.&gt;&gt;

## 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

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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.



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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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