

# SAFETY DATA SHEET

Issue date: 08-29-2023 Version #: 01

# 1. Chemical and company identification

Name of chemical (Product

name)

**B115Z MASTER ROLL** 

Supplier's company name, address and phone number **Company Name** Ricoh Company, Ltd.

Product Safety and Environmental Management Department Department 146-1 Nishizawada, Numazu City, Shizuoka Prefecture, Japan **Address** 

Phone 055-920-1470 **FAX** 055-920-1479

E-mail zic sdsinfo@jp.ricoh.com

116L12000110 SDS No.

Recommended use of the chemical and restrictions on use

Intended use Thermal Printers

Restrictions on use No other uses are advised.

### 2. Hazards identification

#### **GHS** classification

The product is not classified according to GHS.

#### **GHS** label elements

**Pictograms** None. Signal words None. **Hazard statement** None.

**Precautionary statement** 

Prevention None. Response None. None. Storage **Disposal** None.

Other hazards which do not

result in classification

None known.

Supplemental information None

### 3. Composition/information on ingredients

Substance or mixture Mixture

#### **Gazette notification**

Components	<b>CAS Number</b>	ENCS no.	ISHL no.	Concentration (%)
polyethylene terephthalate	25038-59-9	(7)-1022	existing	66-72
carnauba wax	8015-86-9	Not applicable	Not applicable	12-16
Resin	Confidential	Confidential	Confidential	5-9
Carbon black	1333-86-4	Not applicable	Not applicable	3-7
paraffin wax	8002-74-2	(8)-430	existing	3-7

This product does not contain any of the following RoHS substances as ingredients. Cadmium, **Composition comments** 

Hexavalent Chromium, Mercury, Lead, Polybrominated biphenyls (PBB), Polybrominated diphenyleters (PBDE), Phthalate esters (DEHP, BBP, DBP, and DIBP), SVHC (substances of very

high concern: published by ECHA).

### 4. First aid measures

If inhaled Not applicable. If on skin Not applicable. If in eyes Not applicable.

If swallowed Get medical attention if any discomfort continues.

Notes to physician Treat symptomatically.

### 5. Fire-fighting measures

**Extinguishing media** Water. Foam. Dry chemical, carbon dioxide.

Extinguishing media to avoid None.

Company name: Ricoh Company,Ltd. Product name: B115Z MASTER ROLL SDS JAPAN 116L12000110 Version #: 01

Specific hazards No data

**Protection of fire-fighters** Wear suitable protective equipment.

Specific methods None.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Not applicable.

**Environmental precautions** Methods and materials for containment and cleaning up Not applicable. Not applicable.

Not applicable.

# 7. Handling and storage

Handling

Technical measures (e.g. Local and general

SDS for additional personal protection advice when handling this product.

ventilation)

Safe handling advice Hygiene measures

Wash hands after handling.

Storage

Safe storage conditions

Store in a cool, dry place out of direct sunlight. Keep out of the reach of children.

No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the

Safe packaging materials Not applicable.

## 8. Exposure controls/personal protection

Control parameters Not available.

Occupational exposure limits

Japan. OELs - JSOH (Japan Society of Occupational Health) Recommendation of Occupational Exposure Limits

Type Form Components Value Carbon black (CAS TWA 4 mg/m3 Total dust. 1333-86-4)

> 1 mg/m3 Respirable dust.

**US. ACGIH Threshold Limit Values (TLV)** 

**Form** Components **Type** Value Carbon black (CAS TWA Inhalable fraction. 3 mg/m3 1333-86-4) paraffin wax (CAS 2 mg/m3 Fume. **TWA** 8002-74-2)

Not normally needed. **Engineering measures** 

Personal protective equipment

Respiratory protection Not normally needed.

If necessary, Wear protective gloves. Hand protection

Eye protection Not normally needed. Skin and body protection Not normally needed.

### 9. Physical and chemical properties

Solid. **Physical state** Ribbon **Form** Black. Color Odor No odor

Melting point/freezing point ≥482 °F (≥250 °C) (base film)

Boiling point, initial boiling point, and boiling range

No data

Combustibility

Not applicable.

Lower and upper explosion limit / flammability limit

Not available. Explosive limit - lower (%) Not available. Explosive limit - upper (%)

No data Flash point

**Auto-ignition temperature** ≥752 °F (≥400 °C) (base film)

**Decomposition temperature** No data pН Not applicable

Product name: B115Z MASTER ROLL Company name: Ricoh Company,Ltd. SDS JAPAN 116L12000110 Version #: 01 2/4

Kinematic viscosity Not applicable

Solubility(ies)

Solubility (water) Insoluble No data **Partition coefficient** 

(n-octanol/water) (log value)

Vapor pressure No data

Density and/or relative density

Density Approx.1.4(base film)

No data Relative density Vapor density Not applicable Not available. **Particle characteristics** 

Other information

No data **Evaporation rate** 

Not applicable **Explosive limit** Not applicable. **Explosive properties** 

**Flammability** Combustion if an ignition source is present.

### 10. Stability and reactivity

Not applicable. Reactivity

**Chemical stability** Stable at normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

None under normal conditions. Conditions to avoid

Incompatible materials None

Hazardous decomposition

products

No dangerous reaction known under conditions of normal use.

# 11. Toxicological information

Not available. **Acute toxicity** 

Respiratory or skin sensitization

Respiratory sensitization Not available. Skin sensitization Not available. Not available. Germ cell mutagenicity

Carcinogenicity Carbon black contained in this product is classified to Group 2B of IARC as the result of inhalation

test in use of rat.

This is due to the fact that rat alone showed lung tumor in the animal experiment under very high

concentration.

During a normal use of this product, design of the cartridge proves it impossible to have powder

carbon black released to the air.

Intake from the mouth and skin does not show carcinogenicity.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon black (CAS 1333-86-4) 2B Possibly carcinogenic to humans.

Reproductive toxicity Not available. Specific target organ toxicity -

single exposure

Not available.

Specific target organ toxicity -

repeated exposure

Not available.

**Aspiration hazard** Not available.

# 12. Ecological information

**Ecotoxicity** Not available. Persistence and degradability Not available. Not available. **Bioaccumulation** Not available. Mobility in soil Hazardous to the ozone layer Not available.

### 13. Disposal considerations

Local disposal regulations Dispose of contents/container in accordance with local/regional/national/international regulations.

Company name: Ricoh Company, Ltd. Product name: B115Z MASTER ROLL SDS JAPAN 3/4

### 14. Transport information

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to

Annex II of MARPOL 73/78 and

the IBC Code

Special safety measures on

transport and transportation

means

Not applicable.

Not applicable.

# 15. Regulatory information

#### **Industrial Safety and Health Act**

Notifiable substances

Carbonblack Table 9 Ordinance No. 130 5.0 % Solid paraffin Table 9 Ordinance No. 170 5.0 %

Labeling substances Not regulated.

SDS and Risk Assessment

Carbonblack Solid paraffin

#### **Poisonous and Deleterious Substances Control Act**

Specified poisonous substances

Not regulated.

Poisonous substances

Not regulated.

**Deleterious substances** 

Not regulated.

### Act on the Regulation of Manufacture and Evaluation of Chemical Substances

Class I specified chemical substances

Not regulated.

Class II specified chemical substances

Not regulated.

Monitoring chemical substances

Not regulated.

**Priority Assessment Chemical Substances (PACs)** 

Not regulated.

Reporting Exempted Substances

Not regulated.

## Law concerning Pollutant Release and Transfer Register

Specified class 1 substances (substance name, control number and content)

Not regulated.

Class 1 substances (substance name, control number and content)

Not regulated.

Class 2 substances (substance name, control number and content)

Not regulated.

**Fire Service Act** Designated combustible material (Synthetic resins, others)

Ship Safety Law, Dangerous **Goods Marine Transport and** 

Storage Rule

Not regulated.

Air Law, Enforcement Rule

Not regulated.

**Explosives Control Act** 

Not regulated.

# 16. Other information

#### **Bibliography**

ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices HSDB® - Hazardous Substances Data Bank

Japan Society for Occupational Health, Recommendation of Occupational Exposure Limits JIS Z 7252:2019 Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)"

JIS Z 7253:2019 Hazard communication of chemicals based on GHS - Labelling and Safety Data Sheet (SDS)

Taiwan. OELs. (Standards on Workplace Atmosphere of Dangerous and Hazardous Materials) Korea, Toxic Release Inventory (TRI) Chemicals (TCCL Article 14)

US. IARC Monographs on Occupational Exposures to Chemical Agents

Company name: Ricoh Company, Ltd. Product name: B115Z MASTER ROLL SDS JAPAN 4/4 116L12000110 Version #: 01