

Material Safety Data Sheet

(ISO form)

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1. Product and Company Identification

Product Name: RICOH COLOR LP TONER CASSETTE TYPE 105 Magenta

Company Name: Ricoh Company Ltd.

Department: Environment Safety Center, Corporate Environment Office

Address: 3-6, Naka-magome 1-Chome Ohta-ku, Tokyo 143-8555 Japan

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2. Composition/Information on Ingredients

Substance or Preparation

Preparation

Chemical Nature

Ingredients	CAS.No.	Contents (%)
Polyole Resin	259794-70-20	>70
Polyole Resin	186359-26-2	<20
Organic Pigment	5281-04-9	<10
Organic Salt	42405-40-3	<5

Components contributing to the Hazard

Applicable for it mentioned below

Their Chemical or Generic Name/Their Concentration or Concentration Range

Not relevant

%

3. Hazards Identification (Most Important Hazard)

Adverse Human Health Effects

Not applicable in normal use.

Carcinogenicity

This product does not contain any of the carcinogenic substances listed in NTP, IARC and are regulated by OSHA.

Environmental Effects

Not applicable in normal use.

Physical and Chemical Hazards

Not applicable in normal use.

The Classification of the Chemical Product

Not applicable

4. First-Aid Measures

Inhalation

Gargle with water; move to place in fresh air. If unsuccessful, get medical attention.

Skin Contact

Wash thoroughly with soap and water.

Eye Contact

Try to remove with eye drops or flush with water. If unsuccessful, get medical attention.

Ingestion

Dilute stomach contents with several glasses of water. If unsuccessful, get medical attention.

5. Fire-Fighting Measures

Extinguishing Media

CO₂, dry chemicals, foam or water

Specific Method

Generally by sprinkling or extinguisher

6. Accidental Release Measures

Personal Precautions

Minimize inhalation of dust.

Environment Precautions

Keep product out of sewers and watercourses

Methods for Cleaning Up

If spilled, sweep up or pick up by vacuum cleaner (rated for toner extraction).

7. Handling and Storage

Handling (technical measures, precautions, safe handling material)

Do not handle in 'windy' areas, since flying powder may enter eyes.

Minimize breathing dust.

Storage (technical measures, storage conditions, packaging material)

Avoid direct sunlight.

Do not store at temperatures over 35 °C

Keep out of reach of children.

8. Exposure Controls/Personal Protection

Respiratory Protections

None required under normal conditions of use.

Hand Protection

None required under normal conditions of use.

Eye Protection

None required under normal conditions of use.

Skin and Body Protection

None required under normal conditions of use.

9. Physical and Chemical Properties

Physical State

Form: Powder

Color: Black

Odor: Slight plastic odor

Information

pH : not applicable Measuring Temp.(°C) :-

Boiling Point(°C) : not applicable

Flash Point (°C) : not available

Explosion Properties (°C) : This product is considered a non-explosive material under normal use condition.

Vapor Pressure(Pa) :not applicable Measuring Temp.(°C) :-

Vapor Density(AIR=1) :not applicable

Density (g/cm3) :approx. 1.2 Measuring Temp. (°C) : 25

Solubility

Water Solubility(g/L) : Insoluble

Water Solubility Measuring Temp. (°C) : 25

Other Solvent name : -

Other Solvent Solubility(g/L) : -

Other Solvent Solubility Measuring Temp. (°C):-

Octanol/Water Partition Coefficient

Not known

10. Stability and Reactivity

Conditions to Avoid

Not applicable in normal use.

Materials to Avoid

Not applicable in normal use.

Hazardous Decomposition Products

Will not occur

11. Toxicological Information

Acute Toxicity

Acute Oral Toxicity : Rat: >5000mg/kg

Acute Dermal Toxicity : not available

Acute Inhalation Toxicity : not available

Sensitization

Acute Skin Irritation : None irritant (main ingredients)

Acute Eye Irritation : not applied

Acute Allergenic Effects: : 0%

Specific Effects

Carcinogenicity

No data is available on this product

Mutagenicity:

Negative (Ames test)

Effects on the Reproductive System:

No data is available on this product.

Teratogenic

No data is available on this product

12. Ecological Information

Persistence/Degradability:

not known

Bio-accumulation

not known in bio-accumulation

Ecotoxicity

Acute Toxicity for Fish

not available

(mg/kg/96hr)

Acute Toxicity for Daphnia :

not available

(mg/kg/48hr)

Algae Inhibition Test:

not available

(mg/kg/72hr)

13. Disposal Consideration

Recommended Methods for Safe Environmentally Preferred Disposal

Used toner should be disposed of in an environmentally safe and appropriate manner and in accordance with governmental regulations. Do not incinerate.

14. Transport Information

International Regulations

RID/ADR:

not applicable

DOT 49 CFR:

not applicable

ADNR

not applicable

IMDG Code

not applicable

ICAO-TI/IATA-DGR

not applicable

The UN Classification Number

not applicable

Specific Precautionary Transport Measures

Avoid direct sunlight and do not store over 35°C (for quality issues)

Specific Materials to Avoid

None in normal use.

15. Regulation Information

Regulations

Not known

16. Other Information

References:

- 1) IARC (1996): "IARC Monograph on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol.65, Printing Process and Printing Inks, Carbon Black and Some Nitro Compounds", Lyon, pp149-261

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