

Safety Data Sheet (ISO form)

Date prepared 02/20/2001

1. Product and Company Identification

Product Name RICOH TONER CARTRIDGE TYPE1400(TONER)

Company Name: Ricoh Company,Ltd.
Address: 1005 Shimoogino Atsugi-shi Kanagawa-ken, Japan
Tel. Number: 046-243-1435, Japan
Emergency Tel.: 046-243-1435, Japan
Telefax Number: 046-242-1279, Japan

2. Composition/Information on Ingredients

Substance or Preparation
Preparation

Chemical Nature

Ingredients	CAS.No.	Contents(%)
Polyester Resin	Confidential	45
Styrene Acrylic Polymer	25767-47-9	11
Magnetite	1309-38-2	40
Wax	8015-86-9	3
Silica	7631-86-9	1

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 the carcinogenic substances, which are 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
Immediately wash eyes with large amounts of water.; If unsuccessful,get medical attention.

Ingestion
Induce vomiting .Seek medical attention immediately.; If unsuccessful,get medical attention.

5.Fire-Fighting Measures

Extinguishing Media
CO2,dry chemicals,foam or water.

Specific Method
No special fire protecting method is required.

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 developer extraction)

7.Handling and Storage

Handling(technical measures,precautions,safe handling material)
Do not handle in areas where wind blows.
Flying powder may enter eyes.
Minimize breathing dust.

Storage(technical measures,storage conditions,packaging material)
Avoid direct sunlight.
Do not keep this over 35°.
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

Odour:Slightly plastic odor

Information

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

Boiling Point(°C) :not applicable

Flash Point(°C) :not applicable

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

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

Vapor Density(AIR=1) :not applicable

Density (g/cm3) :approx.1.8 Measuring Temp.(°C) :25

Solubility

Water Solubility(g/L) :Insoluble

Water Solubility Measuring Temp.(°C) :-

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

Carbon monoxide and other decomposition product may occur in case of incomplete combustion

Water

Carbon dioxid

11. Toxicological Information

Acute Toxicity

Acute Oral Toxicity

Rat: $\geq 5,000$ mg/kg

Acute Dermal Toxicity

:not available

Acute Inhalation Toxicity

:not available

Sensitization

Acute Skin Irritation :non-irritant

Acute Eye Irritation :not applied

Acute Allergenic Effects: non-skingsensitive

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 :not available

12. Ecological Information

Persistence/Degradability:not known

Bioaccumulation

not available

Ecotoxicity

Acute Toxicity for Fish >500 (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 appropriate manner and in accordance with governmental regulations. Do not incinerate.

14. Transport Information

International Regulations

RID/ADR:not available

DOT 49 CFR:not applicable

ADNR :not available

IMDG Code :not available
ICAO-TI/IATA-DGR :not available
The UN Classification Number :not applicable

Specific Precautionary Transport Measures
Avoid direct sunlight.Do not keep this over 35°.

Specific Materials to Avoid
None in normal use.

15.Regulation Information

Regulations
Not known

16.Other Information

References:

Name and Position : Masahiro Kumei
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Quality System Promotion Department Imaging
System Quality Assurance System Center