

RICOH MATERIAL SAFETY DATA SHEET

Date Prepared : 2001/04/27

MSDS Number : 888044

Product Number: 9865

Savin Color SLP Toner Cassette Type 105 Yellow

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name : Savin Color SLP Toner Cassette Type 105 Yellow
 Product Number : 9865
 Chemical Name : Mixture
 CAS Number : 0-00-0

Company Identification

Company Name : Ricoh Corporation
 Address : 19 Chapin Road
 Pine Brook, NJ USA
 Emergency telephone Number : (800)336-MSDS (6737)
 Telephone Number for information : (973)882-5218

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS #	Contents %	ACGIH (TLV)			OSHA (PEL)	
			TWA	STEL	C	TWA	C
Polyole Resin	259794-70-2	>70	N/A	N/A	N/A	N/A	N/A
Polyole Resin	186359-26-2	<20	N/A	N/A	N/A	N/A	N/A
Organic Pigment	77804-81-0	<10	N/A	N/A	N/A	N/A	N/A
Organic Sait	42405-40-3	<5	N/A	N/A	N/A	N/A	N/A

SECTION 3 HAZARDS IDENTIFICATION

HMS	Health = 1	Flammability = 1	Reactivity = 0	PPE : See Section 8
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Potential Health Effects

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Primary Entry Routes
Inhalation : Yes
Skin : No
Ingestion : Yes

Carcinogenicity :

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

Medical Conditions Aggravated by Exposure : Not applicable

Chronic Effects :

No data is available on this product.

SECTION 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.

SECTION 5 FIRE-FIGHTING MEASURES

Flash Point Not applicable
Burning Rate (mm/sec) Not available
Autoignition Temperature (C) Not applicable
Flammable Limits (%) LEL Not available
UEL Not available

Extinguishing Media : Carbon dioxide, dry chemicals, foam or water
Fire-Fighting Instructions : Generally by sprinkling or extinguisher.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions : Minimize inhalation of dust.
Environment Precautions : Keep product out of sewers and watercourses.
Method for Cleaning up : If spilled, sweep up or pick up by vacuum cleaner (rated for toner extraction).

SECTION 7 HANDLING AND STORAGE

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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 condition, packaging material)

Avoid direct sunlight.
Do not keep this over 35C (95F).
Keep out of reach children.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation

None needed under normal use condition.

Respiratory Protections (Specify type)

None required under normal conditions of use.

Eye Protection :

None required under normal conditions of use.

Protective Gloves

None required under normal conditions of use.

Protective Clothing or Equipment

None required under normal conditions of use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Form	Powder
Color	Yellow
Odor	Slightly plastic odor
pH	Not applicable
Boiling Point (C)	Not applicable
Vapor Pressure(Pa)	Not applicable
Vapor density(Air=1)	Not applicable
Density (g/cm ³)	approx. 1.2
Formula Weight	Not applicable
Melting Point (C)	approx. 110
Viscosity (Pa)	Not applicable
Volatile (%)	-
Evaporation Rate(n-BuAc=1)	Not applicable
Water Solubility (g/L)	Insoluble
Other Solvent name	-
Other Solvent Solubility(g/L)	-

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SECTION 10 STABILITY AND REACTIVITY

Stability
Condition to Avoid Not applicable in normal use.
Material to Avoid Not applicable in normal use.
Hazardous Polymerization None
Hazardous Decomposition or Byproducts will not occur

SECTION 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 : Non-irritant
Acute Eye Irritation : Not applied
Acute Allergenic Effects : 0%

Special Effects
Carcinogenicity
No data is available on this product.

Mutagenicity
Effects on the reproductive system Negative (Ames test)
Teratogenic No data is available on this product.
Not available

SECTION 12 ECOLOGICAL INFORMATION

Persistence/Degradability Not known
Bioaccumulation Not known in bioaccumulation.
Ecotoxicity Acute toxicity for Fish Not available
Acute toxicity for daphnia Not available
Algae inhibition test Not available

SECTION 13 DISPOSAL CONSIDERATION

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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.

SECTION 14 TRANSPORT INFORMATION

International regulations

- RID/ADR Not applicable
- DOT 49 CFR Not applicable
- ADNR Not applicable
- IMDG Code Not applicable
- ICAO-TI/ATA-DGR Not applicable
- The UN Classification Number Not applicable

Specific Precautionary Transport Measures Specific Materials to Avoid

Avoid direct sunlight. Do not keep this over 35C (95F).
None in normal use.

SECTION 15 REGULATION INFORMATION

Regulation : Not known

SECTION 16 OTHER INFORMATION

Explanation of Hazardous Materials Identification System (HMIS) & National Fire Protection Association (NFPA) hazard rating systems.

Both the HMIS and NFPA systems use number from "0" to "4" to show the degree of hazard in an uncontrolled situation:

0=Minimum hazard 1=Slight hazard 2=Moderate hazard 3=Serious hazard 4=Severe hazard.
Colors may also be used in both systems :

Blue= Health hazard Red= Fire hazard Yellow= Reactivity hazard White= Indicate a special hazard.
HMIS will specify any Personal Protective Equipment required (PPE).

NFPA will specify OX(oxidizer), Acid(acid), ALK(alkali), COR(corrosive), W(use no water), xx(radioactive).

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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