

94661

04/23/92

145

Section I. General Information

SDS Identifier Code  
Supplier ID: Ricoh Product Code: 887071

Identity: Savin 9350 Black Toner

Manufacturer's Name and Address:  
Ricoh Corporation  
5 Dedrick Place  
West Caldwell, NJ 07006

Distributor's Name and Address:  
Savin Corporation  
P.O. Box 10270  
Stamford, CT 06904

Emergency Telephone Number: (800) 336-6737

Telephone Number for Information: (201) 882-2000, (800) 336-6737

Synonyms & Common Names: Savin 9350 Black Toner, Savin Product Code - 4302, 50III P Toner, Savin Black Toner Type L1, SP-35 Black Toner

Uses: Savin 9350, Savin 9250

Hazard Classes: Combustible Liquid N.O.S.

Chemical Formula: Mixture

Registry numbers  
CAS Number: 0-00-0  
RTECS Number: N/App

Date Prepared: 07/17/91 Filed/Prepared By: Kristina Sage

Section II. Hazardous Ingredients/Identity Information

Composition

Component	%	CAS #	OSHA Pel	ACGIH TLV
Hydrotreated heavy naptha (petroleum)	75.00	64742-48-9	N/App	300ppm**
Acrylic Polymer	08.00	25068-63-7	N/App	N/App
Carbon Black	05.00	1333-86-4	3.5mg/m3	3.5mg/m3
Wax	10.00	9002-88-4	N/App	N/App
Paraffin Wax	02.00	8015-86-9	N/App	N/App

Carbon Black is listed on the Massachusetts Substance List and the IARC Monograph.  
Wax is listed on the IARC Monograph.  
IARC has evaluated the evidence for the carcinogenicity of Carbon Black and Wax as inadequate to determine a carcinogenic risk

94661

946661

Page 5

... humans.  
... commended by Exxon

- -  
- -

Exposure Limits (TLV/PEL)  
OSHA: See data above  
NIOSH: Not applicable  
ACGIH: See data above  
State: Not applicable  
Other: None

-----  
Section III. Physical/Chemical Characteristics  
-----

Boiling Point: 176-254C                      Specific Gravity: 0.80 @ 25C  
Vapor Pressure: <5mmHg @ 25C              % Volatile by Volume: Not applicable  
Melting Point: No data                      Vapor Density (Air=1): Greater than 5.9  
Evaporation Rate (n-BuAc=1): Approx. 0.04  
  
Solubility in Water: \*egligible: Less than 0.1%  
Appearance and Odor: Black liquid, no odor

-----  
Section IV. Fire and Explosion Hazard Data  
-----

Flash Point and Method: 61C (ASTM D3828)  
  
Explosive Limits: LEL 0.7 UEL 6.5  
Comments: None  
  
Extinguishing Media: Foam, water spray (fog), dry chemical or carbon dioxide may be suitable.  
  
Special Fire-Fighting Procedures: If a leak or spill has ignited, use water to spray to disperse the vapors and to protect person attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing gases, vapor, fumes or decomposition products. Use supplied air breathing equipment for enclosed or confined spaces or as otherwise needed.  
  
Unusual Fire and Explosion Hazards: Do not store or mix with strong oxidizing agents.

-----  
Section V. Reactivity Data  
-----

Stability: Stable  
Conditions to Avoid: Not applicable  
  
Compatibility (Materials to Avoid): Avoid contact with strong oxidizer such as liquid Cl<sub>2</sub>, or conc. O<sub>2</sub> or hypochlorite.

94661 04/23/92  
Zab5

Hazardous Decomposition or Byproducts: Carbon monoxide and other decomposition products in case of incomplete combustion.

Hazardous Polymerization: Will not Occur  
Conditions to Avoid: None

-----  
Section VI. Health and Hazard Data  
-----

Routes of Entry: Skin, inhalation, ingestion

Health Hazards of Short-Term exposure (Acute)

Eyes: Slight conjunctival irritation.

Skin: Mild irritation under conditions of excessive exposure  
Skin irritation (rabbit): Non-irritant

Inhalation: No untoward effects.

Ingestion: Greater than 12,400 mg/m<sup>3</sup> (approximately 2000ppm)

Health Hazards of Long-Term exposure (Chronic): Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. As a precaution, exposure to liquid, vapor, mist or fumes should be minimized.

Carcinogenicity: See Section II

NTP? No IARC Monographs? Yes OSHA Regulated? No

Signs and Symptoms of Exposure: High vapor concentration (greater than approximately 1000 ppm) are irritative to the eyes and respiratory tract, may cause headaches and dizziness, are anesthetic and may have other nervous system effects.

Medical Conditions Generally Aggravated by Exposure: Not applicable

Emergency and First Aid Procedures

First Aid

Eyes: If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides.

Skin: In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water.

Inhalation: If overcome by vapor, remove from exposure and call a physician immediately.

Ingestion: If ingestion, do not induce vomiting, call a physician immediately.

946601

04/23/92

4/25

Additional Information: Ames test result: Negative

-----  
Section VII. Precautions for Safe Handling and Use  
-----

Steps to be Taken in Case Material is Released or Spilled: Shut off and eliminate all ignition sources, keep people away, recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authority if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable governmental regulations. Continue to observe precautions for volatile, combustible vapors from absorbed material.

Waste Disposal Method: Waste liquid should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Precautions to Be Taken in Handling and Storing:

CAUTION - COMBUSTIBLE LIQUID

Keep away from heat, open flame, and sparks. Keep out of reach of children.

Other Precautions: Empty containers retain residue (liquid and/or vapor) and may be dangerous, in order to avoid the risk of explosion, do not puncture or regenerate.

-----  
Section VIII. Control Measures  
-----

Respiratory Protection: None needed under normal conditions of use.

Ventilation

Local Exhaust: None needed under normal conditions of use.

Special: None

Mechanical (general): Adequate ventilation

Other: None

Protective Gloves: None needed under normal conditions of use.

Eye Protection: None needed under normal conditions of use.

Other Protective Clothing or Equipment: None needed under normal conditions of use.

Work and Hygienic Practices: Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry clean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals

RICOH CORPORATION  
MATERIAL SAFETY DATA SHEET

94661

04/23/92

5065

and at the end of work period. Product is readily removed from skin by  
alcoholless hand cleaners followed by washing with soap and water.