

# Material Safety Data Sheet

C-012

May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

U.S. Department of Labor  
 Occupational Safety and Health  
 Administration (Non-Mandatory Form)

IDENTITY (As Used on Label and List)  <div style="background-color: black; color: white; padding: 2px; text-align: center;">RICOH BELT CLEANER</div>	Note: Blank spaces are not permitted.  If any item is not applicable, or no information is available, the space must be marked to indicate that.
--	--

**Section I**

Manufacturer's Name  Ricoh Company, LTD.	Emergency Tel.No. 03-777-8111, Japan Tel.No. for information Ditto Date Prepared Aug. 14, 1986
Address 1-3-6, Nakamagome, Ota-ku, Tokyo, Japan	

**Section II - Hazardous ingredients/Identify Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))							
Ingredients	Contents (%)	ACGIH		Hazardous chemical		Carcinogens	
		TLV	ACGIH	OSHA	OSHA	NTP	IARC
Tetrachloro-difluoroethane (CAS# 76-14-9)	48	500	○	○	X	X	X
Trichloro-trifluoroethane (CAS# 76-13-1)	48	1000	○	○	X	X	X
Diethyleneglycol mono ethyl ether	4	X	X	X	X	X	X
Note: X ..... Not listed, O ..... listed.							

**Section III-Physical/Chemical Characteristics**

Boiling Point	Approx. 65°C	Specific Gravity(H <sub>2</sub> O=1)	1.6 At 25°C
Vapor Pressure(mmHg.)	No data	Melting Point	No data
Vapor Density(AIR=1)	6.7	Evaporation Rate (Butyl Acetate=1)	No data
Solubility in water Negligible: Less than 0.1%			
Appearance and Odor Clear liquid, orange like odor			

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

Flash Point(Method used) Non flammable	Flammable limits(%) N/A	LEL	UEL
Extinguishing Media N/A			
Special Fire Fighting Procedures No special fire fighting procedure is necessary.			
Unusual Fire and Explosion Hazards Will not occur.			

**Section V-Reactivity Data**

Stability	Unstable		Condition to avoid
	Stable	X	
Incompatibility(Materials to avoid) No data			
Hazardous Decomposition or Byproduct Hydrogen chloride, hydrogen fluoride and other decomposition product (over 300°C)			

**Section VI-Health Hazard Data**

Route(s) of Entry:	Inhalation ?	Skin ?	Ingestion ?
	X	X	
Health Hazards(Acute and Chronic) Prolonged or repeated skin contact with this product trend to skin oils possibly leading to irritation and dermatitis. Ames test result: Negative			
Carcinogenicity: NTP ?, IARC Monograph ?, OSHA Regulated ? See Section II			

<p><b>Signs and Symptoms of Exposure</b>  High vapor concentration may cause headaches and dizziness.</p>	
<p><b>Medical Conditions Generally Aggravated by Exposure</b>  Will not occur.</p>	
<p><b>Emergency and First Aid Procedures</b>  Contact with skin: Wash thoroughly with soap and water.  Eye contact : Flush with water until irritation subsides.  If swallowed : Get medical help as soon as possible.</p>	
<p><b>Section VII-Precautions for Safe Handling and Use</b></p>	
<p><b>Steps to Be Taken in Case Material Is Released or Spilled</b>  If spilled, wipe up with cloth or paper. Remove residue with soap and cold water.</p>	
<p><b>Waste Disposal Method</b>  Do not flush into sewer. Consult local regulation for safe disposal.</p>	
<p><b>Precautions to Be Taken in Handling and Storing</b>  Store in cool and dry place. Keep out of reach of children. Keep away from heat and open flame.</p>	
<p><b>Other Precautions</b>  Keep container closed.</p>	

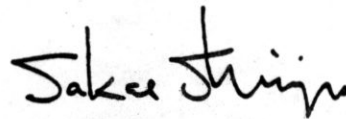
Section VII-Control Measures

Respiratory Protection(Specify Type)		
None needed under normal use condition		
Ventillation	Local-Exhaust	Special
	None needed under normal use condition	None needed
	Mechanical(General)	Other
	Adequate ventilation	None needed
Protective Gloves		Eye Protection
None needed under normal use condition		None needed
Other Protective Clothing or Equipment		
None needed		
Work/Hygiene Practices		
Minimize breathing vapor. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of work period.		
Avoid prolonged or repeated contact with skin. Remove contaminated clothing.		
No smoking or open light:		

Page(4) RICOH BELT CLEANER

The information and recommendations contained herein, to the best of Ricoh's knowledge and belief, accurate and reliable as of the date issued. Ricoh does not warrant or guarantee their accuracy or reliability, and Ricoh shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's responsibility to satisfy itself that they are suitable and complete for its particular use.



S. Shimizu

General Manager

P.L.P. Office, QC Division