

SENIOR DIVISION INC.

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910. 1200. Standard must be consulted for specific requirements.

IDENTITY (As Used on Label and List) 3068 Rapidocze Pen Cleaner	<i>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.</i>
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Section I

Manufacturer's Name KOH-I-NOOR INC.	Emergency Telephone Number (908) 479-4124
Address (Number, Street, City, State, ZIP Code) 100 North Street P.O. Box 68 Bloomsbury, NJ 08804-9988	Telephone Number for Information (908) 479-4124
	Date Prepared 6/94

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Potassium Hydroxide (1310-58-3)		2mg/M ³ Ceiling		<1
Triethanolamine (102-71-6)		5mg/M ³		5-10
Water				85-90

Additional Information: SARA Title III Sect. 313: not listed
HMIS: Health 1 Flammability 0 Reactivity 0 Personal Protection: B
All components are in the TSCA inventory.

Section III - Physical/Chemical Characteristics

Boiling Point	212°C	Specific Gravity (H₂O = 1)	1.024
Vapor Pressure (mm Hg.)	Like Water	Melting Point	26-29°F
Vapor Density (AIR = 1)	Like Water	Evaporation Rate (Butyl Acetate = 1)	Like Water
Solubility in Water	Miscible	pH = 11.9	
Appearance and Odor	White turbid liquid - mild soap odor		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	None TCC	Flammable Liquids	LEL	None	UEL	None
Extinguishing Media	This fluid will not burn or support combustion					
Special Fire Fighting Procedures	High temperatures will evaporate the water and the remaining residue will burn. Water is an adequate extinguishing medium.					
Unusual Fire and Explosion Hazards	NONE					

Section V - Reactivity Data

Stability	Unstable	X	Conditions To Avoid	NONE
	Stable			
Incompatibility (Materials to Avoid)	NONE			
Hazardous Decomposition or Byproducts	NONE			
Hazardous Polymerization	May Occur	X	Conditions to Avoid	NONE
	Will Not Occur			

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Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Only water vapor under normal usage	SKIN?	X	Ingestion?	Do not ingest
Health Hazards (Acute and Chronic)	May cause irritation to skin, eyes, and mucous membranes					
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?			
--None of the ingredients are listed as carcinogens--						
Signs and Symptoms of Exposure	Contact with eyes and skin may cause irritation. Ingestion may cause gastric disturbance.					
Medical Conditions Generally Aggravated by Exposure	Unknown					
Emergency and First Aid Procedures	Flush eyes and skin with large amounts of water. If ingested drink 1 or 2 glasses of water, diluted vinegar (20%) or lemon juice may be given. Consult physician or poison control center.					

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled	It is not a regulated product. Spills should be contained, neutralized with a suitable acid, and placed in containers for disposal.					
Waste Disposal Method	Incinerate, bury, or run into sewer in accordance with all legal regulations.					
Precautions to Be Taken in Handling and Storing	Extreme heat or cold may cause stratification which disappears at room temperature.					
Other Precautions	NONE					

Section VIII - Control Measures

Respiratory Protection (Specify Type)	Not needed						
Ventilation	Local Exhaust	Not Required			Special		Not Required
	Mechanical (General)	Sufficient			Other		Not Required
Protective Gloves	Desirable for prolonged or repeated contact.			Eye Protection	Recommended to avoid splashing into eyes.		
Other Protective Clothing or Equipment	Use protective cream where excessive skin contact is likely.						
Work/Hygiene Practices	Use in accordance with manufacturer's instructions.						

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Material Safety Data Sheet

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)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and Label) rapidliner Ink, black H9802000
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 rotring GmbH	Emergency Telephone Number 040-5496-0
Address (Number, Street, City, State, and ZIP Code) Kleier Straße 301-303	Telephone Number for Information 040-5496-2415
D-2000 Hamburg 54	Date Prepared 03/93
Germany	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
CARN				
hexanediol-1,6	629-11-8			<10

- aqueous pigment-dispersion, no hazardous preparation -

Art.-No.: 105 025-070
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Section III — Physical/Chemical Characteristics

Boiling Point	°C	ca. 100	Specific Gravity (H ₂ O = 1)	g/ml.	1,0
Vapor Pressure (mm Hg.)		like water	Melting Point	°C	ca. -5
Vapor Density (AIR = 1)		like water	Evaporation Rate (Butyl Acetate = 1)		like water
Solubility in Water	miscible				
Appearance and Odor	black liquid with mild odor				

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	n.s.	Flammable Limits	n.s.	LEL	n.s.	UEL	n.s.
Extinguishing Media	product will not burn or support combustion						
Special Fire Fighting Procedures	n.s.						
Unusual Fire and Explosion Hazards	n.s.						

(Reproduces locally)

OSHA 174, Sept. 1983

SENT BY:KOH-I-NOOR INC. ; 3-13-95 ; 14:23 ; 180053/09357 3093433/0314 3

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Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid) n.s.

Hazardous Decomposition or Byproducts n.s.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: n.s. Ingestion? Skin? Ingestion?

Health Hazards (Acute and Chronic) not to be expected, LD50 (rat, oral, calculated) > 5g/kg

Carcinogenicity: no NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure none known

Medical Conditions Generally Aggravated by Exposure none known

Emergency and First Aid Procedures
 eye contact: flush immediately and thoroughly with water, ingestion: drink water to dilute
 skin contact: wash with water and soap

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
 wipe up and dispose or rinse with water

Waste Disposal Method incinerate or rinse into sewer, according to local, state and federal regulations

Precautions to Be Taken in Handling and Storing store at room-temperature

Other Precautions none

Section VIII — Control Measures

Respiratory Protection (Specify Type) not required

Ventilation	Local Exhaust	not required	Special	not required
	Mechanical (General)	sufficient	Other	no

Protective Gloves recommended to prevent staining of hands Eye Protection if handling larger quantities

Other Protective Clothing or Equipment not necessary

Work/Hygiene Practices wash hands after work