

DATE: 12-30-1993 9:40

MARKETING & ADVERTISING

FAX NO. 9084 96885

Attn: Julie

**Material Safety Data Sheet**

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

20815-0039 \*

IDENTITY (As Used on Label and List)  
Brilliant Inks H9800250-480

Note: Blank spaces are not permitted.  
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, ZIP Code)  
Kieker Strasse 301-303  
D-2000 Hamburg 54  
GERMANY

Telephone Number for Information  
040-5496-2415

Date Prepared  
03/93

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
CARN				
ethyleneglycol 107-21-1		50ppm		≤5

Additional Information: -aqueous dyestuff-solution, no hazardous preparation -

Art.-No.: 598 202-218  
598 302-318

**Section III - Physical/Chemical Characteristics**

Boiling Point /°C	ca. 100	Specific Gravity (H <sub>2</sub> 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	Colored liquid with mild odor		

V-875

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

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

**Section V - Reactivity Data**

Stability	Unstable	Conditions To Avoid
	Stable	
Incompatibility (Materials to Avoid)	N.A.	
Hazardous Decomposition or Byproducts	N.A.	
Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	

**Section VI - Health Hazard Data**

Route(s) of Entry:	N.A.	Inhalation?	Skin?	Ingestion?
Health Hazards (Acute and Chronic)	Not to be expected, LD <sub>50</sub> (rat, oral, calculated) > 5g/Kg			
Carcinogenicity:	No	NTP?	IARC Monographs?	OSHA Regulated?

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Signs and Symptoms of Exposure      None known

Medical Conditions Generally Aggravated by Exposure      None known

Emergency and First Aid Procedures      EYES: Flush immediately and thoroughly with water.  
    SKIN: Wash with water and soap.  
    INGESTION: Drink water to dilute.

**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/Hygienic Practices      Wash hands after work

NA - Not applicable      ND - Not Determined