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MATERIAL SAFETY DATA SHEET

NAME: PAPER MATE HIGHLIGHTING MARKERS W20/M26

CAS NO: NA

Effective Date: 5/2/96 Rev: 2

A. — IDENTIFICATION

<u>Composition*</u> Solvents (see footnotes) Water (7732-18-5) Propylene Glycol (57-55-6) Polyethylene Glycol 400 (25322-68-3) Glycerin (56-81-5) Triethanolamine (102-71-6) Dye(s) Buffer, Surfactant, Preservative	%	Formula: Mixture
		Molecular Weight: NA
		Synonyms: W20/M26 Highlighters (Yellow, Pink, Blue, Green, Orange, Violet)

B. — PHYSICAL DATA

Boiling Point NA °F NA °C	Melting Point NA °F NA °C	Freezing Point NA °F NA °C
Specific Gravity (H ₂ O=1) ~1	Vapor Density (air=1) NA	Vapor Pressure @ NA mm Hg °F
Evaporation (NA =1)	Saturation in Air (by volume@ NA °F)	Autoignition Temperature NA °F °C
% Volatiles >65	Solubility in Water Soluble	pH NA

Appearance/Odor Colored liquids with mild odors

Flash Point and Test Method(s) >200°F for solvents (OC)

Flammable Limits in Air (% by volume)
Lower NA % Upper NA %

C. — REACTIVITY

Stability	<input checked="" type="checkbox"/> stable	<input type="checkbox"/> unstable	Polymerization	<input type="checkbox"/> may occur	<input checked="" type="checkbox"/> will not occur
<u>Conditions to Avoid</u> Extreme heat, ignition sources.			<u>Conditions to Avoid</u> NA		
<u>Incompatible Materials</u> Oxidizing and reducing agents			<u>Hazardous Decomposition Products</u> Thermal decomposition may produce oxides of carbon and nitrogen and other toxic byproducts.		

* IF MULTIPLE INGREDIENTS, INCLUDE CAS NUMBERS FOR EACH NA=NOT AVAILABLE

Footnotes

Individual inks contain water and one or more of the remaining solvents.

D. — HEALTH HAZARD DATA

Occupational Exposure Limits (PEL's, TLV's, etc.)

8-Hour TWA's: Glycerin mist - 10 mg/cu m (OSHA/ACGIH)

This level is not anticipated under foreseeable use conditions.

Warning Signals

NA

Routes/Effects of Exposure

1. Inhalation No adverse effects anticipated from normal use.

2. Ingestion No adverse effects anticipated from normal use. If misused, as sucking tip end of marker for extended period of time, some irritation/discomfort may occur.

3. Skin
 - a. Contact
Contact will temporarily dye skin.

 - b. Absorption
No adverse effects anticipated from normal use. For incidental contact with skin, possibility of absorption exists, but not in toxic amounts.

4. Eye Contact No adverse effects anticipated from normal use. If product contacts eye, some irritation may occur.

5. Other NA

E. — ENVIRONMENTAL IMPACT

1. Applicable Regulations

NA

2. DOT Hazard Class -

3. DOT Shipping Name -

Environmental Effects

NA

F. — EXPOSURE CONTROL METHODS**Engineering Controls**

None under normal use conditions.

Eye Protection

None under normal use conditions.

Skin Protection

None under normal use conditions.

Respiratory Protection

None under normal use conditions.

Other

NA

G. — WORK PRACTICES**Handling and Storage**

Keep cap on marker when not in use.

Normal Clean Up

Wipe up with tissue, towel, etc.

Waste Disposal Methods

Dispose in accordance with applicable federal, state and local laws.

H. -- EMERGENCY PROCEDURES

Steps to be taken if material is released to the environment or spilled in the work area

Not applicable

Fire and Explosion Hazard

Hazardous decomposition products may be released in a fire. (Sec. C.)

Extinguishing Media

As appropriate for surrounding area. CO₂, foam, dry chemical, water fog.

Firefighting Procedures

In fires involving large quantities of product, use self-contained breathing apparatus and full protective clothing.

I. — FIRST AID AND MEDICAL EMERGENCY PROCEDURES**Eyes**

The eyes may be washed with clear, tepid water. If irritation persists, consult a physician.

Skin

Wash with soap and water.

Inhalation

No adverse effects anticipated from normal use.

Ingestion

The mouth may be cleansed with a soap and water solution. If a large amount has been ingested (from several markers), stomach lavage may be employed at the discretion of a physician.

Notes to Physician

NA

Series 20X and 26X

Replaces #779

The information contained in the Material Safety Data Sheet is based on data considered to be accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof.