

MATERIAL SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION

Product Name	TMD◆◆? Tissue
Marking Dye Blue	
Product Code (Catalog Number)	TMD-BL
Product Category (Chemical Name)	Dyes
Product Appearance and Odor	Liquid of blue color
Emergency Notification	Chem-Tel 1-800-248-0585

COMPONENTS AND HAZARD INFORMATION

Component	OSHA TWA	OSHA STEL	CAS No.	%
	ppm	ppm		
	mg/m3	mg/m3		
Ammonium hydroxide			001336216	<2
NE	NE	NE		
Copper phthalocyanine			000147148	<17
NE	NE	NE		
Formaldehyde			000050000	<1
NL	2/15	NL		
Water			007732185	<8
NE	NE	NE		

PHYSICAL DATA

THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.

Boiling Range	Specific Gravity
Molecular Weight	Viscosity
>212	1.02
NL	NL
Percent Volatile by	Vapor Pressure @20
Vapor Density	Pour, Congealing or
Volume	C degrees
(Air = 1)	Melting Point



NE

#### Extinguishing Media

Water, carbon dioxide, dry chemical powder, foam.

#### Fire Fighting Procedures

Firefighters must wear self-contained breathing apparatus and fully protective equipment. Fire

water run-off should be diverted from adjacent waterways.

#### Decomposition Products Under Fire Condition

NE

#### "Empty" Container Warning

Use same applicable regulations as formaldehyde.

#### Unusual Fire and Explosion Hazards

Use water spray to disperse vapor.

### HEALTH AND HAZARD INFORMATION

#### Variability Among Individuals

NE

#### Signs and symptoms of overexposure

Chemical, physical and toxicological properties are not established for this material. Handle

with the care required by good laboratory technique.

#### Effects of Overexposure

Continual contact of the skin may cause discoloration of skin in contact area.

#### Nature of Hazard and Toxicity Information

NL

#### Pre-existing Medical Conditions which may be Aggravated by Exposure

Conditions of the skin.

#### Threshold Limit Value

NL

#### Health Hazards

Possible skin irritant.

Carcinogenicity

NL

PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES

Eye Contact

Flush eyes with water for at least 15 minutes while holding lids open. Do not remove contact

lenses if worn. Contact physician immediately.

NA = not applicable  
not normally required

NL = not listed

NE = not established

NNR =

INNOVATIONS FOR SCIENCE◆◆?

Page 3 of 4

TBS Material Safety Data Sheet

TMD-BL

Skin

Wash affected area with copious amounts of water for at least 15 minutes.  
Wash contaminated

clothing.

Inhalation

Remove to fresh air. Give oxygen or artificial respiration, as needed.  
Contact emergency

personnel

Ingestion

Induce vomiting as directed by medical personnel.

SEEK MEDICAL TREATMENT IF DISCOMFORT PERSISTS.

## REACTIVITY

Stability Decomposition Products	Incompatibility	Hazardous
Stable	NE	NE
Conditions to Avoid	Hazardous Polymerization	Materials to Avoid
High temperature	Will not occur	

## ENVIRONMENTAL INFORMATION

### Steps to be Taken in Case Material is Released or Spilled

Contain spilled liquid with non-combustible materials. This product contains formaldehyde (50-

00-0) 0.05% of which is RCRA U122. Fire water run-off should be diverted from adjacent

waterways.

### Waste Disposal Method

Regulations ♦♦? RCRA U122 listed waste. Discard supplied material according to Federal

Regulations (40 CFR 261). It is to be determined by the user weather material at the time of

disposal is subject to RCRA restrictions.

### Disposal

Responsibility for proper disposal of waste lies with the party generating the waste.

Transportation, storage and disposal of waste material must comply with 40 CFR 262, 263, 264,

268 and 270. Check with all federal, state and local regulations for applicable requirements.

### Protective Gear

Wear gloves, goggles and appropriate clothing during handling. Practice good hygiene.

### Precautions to be taken in handling and storage

Store material at 25°C. Keep storage container tightly closed. Avoid contact with skin and

eyes. Do not inhale dried material. Wash thoroughly after handling. Do not cut, grind, weld, or

reuse container unless adequate measures are taken. Do not eat, drink or smoke in storage

areas.

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES.

Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102)

NE

Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304)

NNR

NA = not applicable      NL = not listed      NE = not established      NNR = not normally required

INNOVATIONS FOR SCIENCE◆◆?

Page 4 of 4

TBS Material Safety Data Sheet

TMD-BL

Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Section 313)

Ammonia 7664-41-7 <2%

Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312)

Acute Hazard Not	Chronic Hazard	Fire Hazard NL	Pressure Hazard NL	Reactive Hazard NE
---------------------	-------------------	-------------------	--------------------------	--------------------------

SPECIAL STATE NOTIFICATIONS

California: This product contains a substance known to the state of California to cause cancer.

## PROTECTION AND PRECAUTIONS

### Ventilation

Mechanical ventilation sufficient to keep below TLVs

### Respiratory Protection

OSHA/MHSA approved respirator if needed.

### Protective Gloves

Rubber

### Eye Protection

Safety goggles.

### Other Protective Equipment

Safety shower, eye bath.

## TRANSPORTATION AND OSHA RELATED LABEL INFORMATION

### Transportation Incident Information

NL

### U.S. DOT Hazardous Materials Shipping Description

Non-Regulate, dye

### OSHA Required Label Information

NL

TRIANGLE BIOMEDICAL SCIENCES (TBS) provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose. TBS makes no representation or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers.

Accordingly, TBS will not be responsible for damages resulting from the use

of or reliance upon this information.

NA = not applicable  
not normally required

NL = not listed

NE = not established

NNR =