## MATERIAL SAFETY DATA SHEET

248-0585

Component

## IDENTIFICATION AND EMERGENCY INFORMATION

Product Name Marking Dye Kit	TMD��? Tissue
Harking bye kie	TMD-6 (6 Color
Kit), TMD-BK (Black), TMD-Y (Yellow), TMD-	
Product Code (Catalog Number) (Green), TMD-R (Red), TMD-O (Orange)	BL (Blue), TMD-G
Product Category (Chemical Name)	Dyes
Product Appearance and Odor red, yellow, green, blue, orange or black	Liquid of either
	color
Emergency Notification	Chem-Tel 1-800-

## COMPONENTS AND HAZARD INFORMATION

CAS No.

용

	A TWA	OSHA	STEL	0710 110.		ŭ
ppm	mg/m3	ppm	mg/m3			
NE	Ammonium hydroxide NE	NE	NE	001336216		<3.3
	(yellow, green, blue, black					
	dye)					
NE	N,N-dimethylethanolamine NE	NE		000108010 NE		<2
	(red, green dye)					
NA	2-Aminoethanol (red) 6	NL		000141435 NL	<2	
400	2-Propanol (green) 980	500		000067630 500	<7	
NE	Pennsperse orange NE	NE		CASRNHXSM NE	<14	
	(orange)					
NE	Diarylide yellow AAOT NE	NE		005468757 NE		<55

(yellow)

NE	Copper phthalocyanine NE	NE	000147148 NE	<17
	(blue)			
NL	Formaldehyde (all) 2/15	NL	000050000 NL	<1
NA	Carbon black (black) 3.5	NL	001333864 NL	<15
NE	Water (all) NE	NE	007732185 NE	<82

PHYSICAL DATA

THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT

BE USED FOR PRECISE DESIGN PURPOSES.

Boiling Range Molecular Weight

Specific Gravity Viscosity

1.02 >212

NLNL

Percent Volatile by Vapor Pour, Congealing or Vapor Pressure @20

Vapor Density

Volume C degrees

(Air = 1)Melting Point

NE NE

32 F NE

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25oC

Solubility in Water @1 ATM and pH

25oC (77oF) (n-Butyl Acetate =1)

NE NE

NE

FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point (Minimum) Autoignition Temperature Test Mode

LEL UEL

NE NE

NE NE

National Fire Protection Association (NFPA)  $\diamondsuit$   $\diamondsuit$ ? Hazard

Identification

Health Flammability Reactivity Basis

NL NE NE

Handling Precautions

Use standard safety precautions.

Flammable or Explosive Limits (Approximate Percent by Volume in Air)

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

ΝE

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

NT.

Pre-existing Medical Conditions which may be Aggravated by Exposure Conditions of the skin.

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Threshold Limit Value

NL

Health Hazards

Possible skin irritant.

Carcinogenicity

Carbon black  $\diamondsuit$  ? IARC (animal sufficient evidence; human inadequate evidence).

PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES

Eye Contact

Flush eyes with water for at least  $15\ \mathrm{minutes}$  while holding lids open. Do not remove contact

lenses if worn. Contact physician immediately.

Skin

Wash affected area with copious amounts of water for at least  $15\ \mathrm{minutes}$ . Wash contaminated

clothing.

Inhalation

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

personnel

Ingestion

(orange) Call physician. If patient is conscious wash out mouth with water. Do not induce

vomiting, do not give anything to drink.

(red, blue, green, yellow, black) Induce vomiting as directed by medical personnel.

SEEK MEDICAL TREATMENT IF DISCOMFORT PERSISTS.

REACTIVITY

Stability Incompatibility Hazardous

Decomposition Products

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 formal hyde (50-  $\,$ 

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

waterways.

Waste Disposal Method

Regualtions  $\diamondsuit$  ? 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.

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Protective Gear

Ware gloves, goggles and appropriate clothing during handling. Practice good hygine.

Precautions to be taken in handling and storage

Store material at 25oC. 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)

ΝE

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

NNR

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 Chronic Fire Hazard Pressure Reactive Not

Hazard Hazard Hazard Hazard Applicable

NE NE NL NL 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

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OSHA Required Label Information

NL

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