



Product Information (800) 992-9037 / Emergency Assistance CHEM-TEL Inc 1-800-255-3924

MATERIAL SAFETY DATA SHEETS

Product Name: Tissue Marking Dye Kit

Catalog Number: LP6302

CAS#: See Section 2 below

Section 2: Composition and Information on Ingredients

Appearance and Odor: Liquid of either red, yellow, green, blue, purple, orange or black color

Component	CAS No.	%	OSHA TWA		OSHA STEL	
			ppm	mg/m ³	ppm	mg/m ³
Ammonium hydroxide (yellow, green, blue, black dye)	001336216	<3.3	NE	NE	NE	NE
N,N-dimethylethanolamine (red, green dye)	00010810	<2	NE	NE	NE	NE
2-Aminoethanol (red and purple)	000141435	<2	NA	6	NL	NL
2-Propanol (green)	000067630	<7	400	980	500	500
Pennspersperse orange (orange)	CASRNHXSM	<14	NE	NE	NE	NE
Diarylide yellow AAOT (yellow)	005468757	<66	NE	NE	NE	NE
Copper phthalocyanine (blue)	000147148	<17	NE	NE	NE	NE
Formaldehyde (all)	000050000	<1	NL	2/15	NL	NL
Carbon black (black)	001333864	<15	NA	3.5	NL	NL
Water (all)	007732185	<82	NE	NE	NE	NE

Section 3: Hazards Identification

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: Carbon black – IARC (animal sufficient evidence; human inadequate evidence)

Section 4: First Aid Measures

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.

Skin Contact: 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: (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.

Section 5: Fire and Explosion Data

Flash Point (minimum): NE

Auto-ignition Temperature: NE

LEL: NE

UEL: NE

NFPA:

Health: NL

Flammability: NE

Reactivity: 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-offs 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.

Section 6: Accidental Release Measures

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.

Section 7: Handling and Storage

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.

Section 8: Exposure Controls/Personal Protection

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

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

Section 9: Physical and Chemical Properties

Boiling Range: >212

Specific Gravity: 1.02

Molecular Weight: NL

Viscosity: NL

% Volatile by Vol: NE

Vapor Pressure @20°C: NE

Vapor Density (Air=1): NE

pH: NE

Pour, Congealing or Melting Point: 32°F

Solubility in Water @1 ATM and 25°C (77°F): NE

Evaporation Rate @1 ATM and 25°C (77°F) (n-Butyl Acetate =1): NE

Section 10: Stability and Reactivity Data

Stability: Stable

Incompatibility: NE

Hazardous Decomposition Products: NE

Conditions to Avoid: High temperature

Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

Not known

Section 12: Ecological Information

Not known

Section 13: Disposal Considerations

Waste Disposal Methods: Regulations – RCRA U122 listed waste. Discard supplied material according to Federal Regulations (40 CFR 261). It is to be determined by the user whether 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.

Section 14: Transport Information

Transportation Incident Information: NL

U.S. DOT Hazardous Materials Shipping Description: Non-regulate, dye

OSHA Required Label Information: NL

Section 15: Other Regulatory Information

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

Reportable Quantity (RQ), EPA Regulations 40 CFR 302 (CERCLA Section 102): NE

Threshold Planning Quantity (TPQ), EPA Regulations 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 Regulations 40 CFR 370 (SARA Sections 311-312)

Acute Hazard	Chronic Hazard	Fire Hazard	Pressure Hazard	Reactive Hazard
NE	NE	NL	NL	NE

SPECIAL STATE NOTIFICATIONS

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

Section 16: Other Information:

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Date Verified and Printed: May 9, 2011

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