

Safety Data Sheet

Tissue Marking Dye, Emerald Green

Revision Date: 06/29/2021

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier	Trade name: Emerald Green Tissue Marking Dye Product code(s): 7565-02 (individual), 7572 (set)
1.2 Relevant identified uses	Laboratory Reagent
Supplier:	Astral Diagnostics, Inc 2070 Center Square Road Logan Township, NJ 08085 800-441-0366 Technical Service Monday-Friday: 8:30 -5:00 PM
Synonym:	None.
Material uses:	Laboratory Reagent.
Validation date:	12/11/2013
In case of emergency:	1-800-535-5053 or 1-352-353-3500 (INFOTRAC) 24/7/365

2. HAZARDS IDENTIFICATION

Emergency Overview:

GHS Label Elements: Pictogram



Signal Word: Warning

Hazard statement(s):

H302 + H312: Harmful if swallowed, or in contact with skin or if inhaled

Precautionary statement(s):

P280: Wear protective gloves/ eye protection/ face protection.

P280A: Wear protective gloves

P285: In case of inadequate ventilation wear respiratory protection.

P301D: IF SWALLOWED: induce vomiting as directed by medical personnel.

P302 + P352: IF ON SKIN: wash with plenty of soap and water.

P351: Rinse cautiously with water for several minutes.

P501: Dispose of contents/container to proper waste area in accordance with institutional practices and local, state, or federal regulations.

NFPA Rating

HMIS Classification

Health hazard: 1
Fire: 1
Reactivity Hazard: 0

Health hazard: 1
Flammability: 1
Physical hazards: 0

Potential Health Effects: Inhalation – May cause respiratory tract irritation.
Skin - May cause skin irritation.
Eyes – May cause eye irritation.
Ingestion – Potentially toxic if swallowed in large quantities.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% by volume
Ammonium Hydroxide	1336-21-6	0-5
2-Propanol	0067-63-0	6-10
Formaldehyde	0050-00-0	0-5
Water	7732-18-5	71-80
N,N-Dimethylaminoethanol	0108-01-0	0-5

4. FIRST AID MEASURES

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.

First-aid measures after eye contact: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion: Induce vomiting as directed by medical personnel.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media: Do not use a heavy water stream

5.2 Special hazards arising from the substance or mixture

No additional information available

5.3 Advice for firefighters

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Gloves. Safety glasses. Combined gas/dust mask with filter type B/P3.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use. Protect from sunlight. Store in a well-ventilated place.

Incompatible products: Strong oxidizers. Strong reducing agents. Strong bases.

Incompatible materials: Sources of ignition. Direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

Component	Source	Type	Value	Note
Formaldehyde	ACGIH	TWA	Not classified	
	OSHA	STEL	2/15 mi / NE	
		CEILING	NE/ 0.3c, 0.37mg/m3	
2-Propanol	ACGIH	TWA	400ppm, 980/983 mg/	
	OSHA	STEL	500ppm, 500 mg/m3	
		CEILING	NE	
Ammonium Hydroxide	ACGIH	TWA	NE	
	OSHA	STEL	NE	
		CEILING	NE	
Water	OSHA	TWA	NE	
	ACGIH	STEL	NE	
		CEILING	NE	
N,N-Dimethylaminoethanol	OSHA	TWA	NE	
	ACGIH	STEL	NE	
		CEILING	NE	

Personal protective equipment: Safety glasses. Gloves. Protective clothing. High gas/vapor concentration: gas mask with filter type B.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or face shield.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask. Gas mask with filter type B.

Other information: Do not eat, drink, or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Slightly viscous Liquid.

Flash Point: 42 °C / 107.6 °F

pH: NA

Melting/freezing point: NA

Vapor pressure: NA

Odor threshold: NA

VOC: NA

Color: Green

Odor: Characteristic

Boiling/condensation point: NA

Relative density: NA

Vapor density: NA

Evaporation rate: NA

Solubility: complete

10. STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizers. Strong acids.

10.6. Hazardous decomposition products

Oxides of Carbon

11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: No irritating effect

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not Classified

Toxicity:

Acute Data: no data

Subchronic Data: no data

12. ECOLOGICAL INFORMATION

No data.

13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

CAS Number	Waste Code	Regulated Name
0050-00-0	U122	Formaldehyde
0067-63-0	not listed	not listed
1336-21-6	not listed	not listed
7732-18-5	not listed	not listed
0108-01-0	not listed	not listed

14. TRANSPORT INFORMATION

DOT (US)

Proper Shipping Name NOT REGULATED
Chemical Name
UN
Class
PG

15. REGULATORY INFORMATION

15.1 US Federal Regulations

All components are listed on the United States TSCA (Toxic Substances Control Act) inventory

CAS Number	Column A	Column B
0050-00-0	Yes	no
0067-63-0	no	no
1336-21-6	no	no
7732-18-5	no	no
0108-01-0	no	no

State Regulatory Information: If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS Number

0050-00-0	not listed
0067-63-0	not listed
1336-21-6	not listed
7732-18-5	not listed
0108-01-0	not listed

Toxic Release Chemicals (as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

CAS Number	Regulated Name	de minimis conc. %	Rep. Thres.
0050-00-0	Formaldehyde	0.1	not listed
0067-63-0	Isopropyl Alcohol	1.0	not listed
1336-21-6	not listed	not listed	not listed
7732-18-5	not listed	not listed	not listed
0108-01-0	not listed	not listed	not listed

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200©; and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355m Appendices A and B.

CAS Number	Regulated Name	TPQ (pounds)	EHS-RQ (pounds)
0050-00-0	Formaldehyde	500	100
0067-63-0	not listed	not listed	not listed
1336-21-6	not listed	not listed	not listed
7732-18-5	not listed	not listed	not listed
0108-01-0	not listed	not listed	not listed

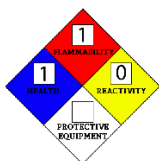
CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

CAS Number	Regulated Name	RQ (pounds)
0050-00-0	Formaldehyde	100
0067-63-0	not listed	not listed
1336-21-6	Ammonium Hydroxide	1000
7732-18-5	not listed	not listed
0108-01-0	not listed	not listed

16. OTHER INFORMATION

National Fire Protection Association (U.S.A.)



Notice to reader

This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries makes any warranty of merchantability or any other warranty, expressed or implied, which respect to such information, and we assume no liability resulting from its use. In no event shall ADI be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages resulting from use of or reliance upon this information.