Safety Data Sheet

Red Tissue Marking Dye

Revision Date: 06/29/2021

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Trade name: Red Tissue Marking Dye
Product code(s): 402005

1.2 Relevant identified uses

Laboratory Reagent

Supplier:

EDM3 Solutions
3611 St Johns Bluff Road, Suite 1
Jacksonville, FL 32224

844-494-4147 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	Health hazard: 1

Fire: 1	Flammability: 1
Reactivity Hazard: 0	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.
Skin irritant Cat 2, Acute Inhalation Cat 4, Eye Irritation Cat 2B

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% by volume
2-Aminoethanol	0141-43-5	0-5
N,N-Dimethylaminoethanol	0108-01-0	0-5
Formaldehyde	0050-00-0	0-5
Water	7732-18-5	81-90
Red Pigment	CASRNHX30R	11-20

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-aminoethanol	ACGIH	TWA	Not classified/3ppm,6/7.5mg/	
	OSHA	STEL	NE	
		CEILING	NE	
N,N-Dimethylaminoethanol	ACGIH	TWA	NE	
	OSHA	STEL	NE	
		CEILING	NE	
Water	OSHA	TWA	NE	
	ACGIH	STEL	NE	
		CEILING	NE	
Red Pigment	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: Red
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
0141-43-5	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
CASRNHX30R	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
0141-43-5	no	no
1336-21-6	no	no
7732-18-5	no	no
0108-01-0	no	no
CASRNHX30R	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
0141-43-5	not listed
1336-21-6	not listed
7732-18-5	not listed
0108-01-0	not listed
CASRNHX30R	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
0141-43-5	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
CASRNHX30R	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
0141-43-5	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
CASRNHX30R	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
0141-43-5	not listed	not listed
1336-21-6	not listed	1000
7732-18-5	not listed	not listed
0108-01-0	not listed	not listed
CASRNHX30R	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 EDM3 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.

Safety Data Sheet

Bluing Reagent

Revision Date: 06/29/2021

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Trade name: Bluing Reagent
Product code(s): 402015

1.2 Relevant identified uses

Laboratory Reagent

Supplier:

EDM3 Solutions
3611 St Johns Bluff Road, Suite 1
Jacksonville, FL 32224

844-494-4147 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: **Danger!**

Hazard statement(s):

H225: Highly flammable liquid vapor
H301+H311+H331: Toxic if swallowed, in contact with skin or if inhaled
H370: Causes damage to organs

Precautionary statement(s):

P210: Keep away from heat/sparks/open flames. No smoking
P233: Keep container tightly closed
P242: Use only non-spark tools
P264: Wash skin thoroughly after handling