

# Safety Data Sheet

Tissue Marking Dye, Ultra Black

Revision Date: 06/29/2021

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                                     |  |
|-------------------------------------|--|
| <b>1.1 Product identifier</b>       | Trade name: Ultra Black Tissue Marking Dye<br>Product code(s): 7562-02 (individual), 7570 (set)  |
| <b>1.2 Relevant identified uses</b> | Laboratory Reagent   |
| <b>Supplier:</b>                    | Astral Diagnostics, Inc<br>2070 Center Square Road<br>Logan Township, NJ 08085<br><br>800-441-0366 Technical Service<br>Monday-Friday: 8:30 -5:00 PM |
| <b>Synonym:</b>                     | None.  |
| <b>Material uses:</b>               | Laboratory Reagent.  |
| <b>Validation date:</b>             | 12/11/2013   |
| <b>In case of emergency:</b>        | 1-800-535-5053 or 1-352-353-3500<br>(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**  
Health hazard: 1

**HMIS Classification**  
Health hazard: 1

Fire: 1  
Reactivity Hazard: 0

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        |
| Carbon Black       | 1333-86-4  | <11-20      |
| Formaldehyde       | 0050-00-0  | <0-5        |
| Water              | 7732-18-5  | <81-90      |

### 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   |      |
| Carbon Black       | ACGIH  | TWA     | Not classified /3.5mg |      |
|                    | OSHA   | STEL    | NE                    |      |
|                    |        | CEILING | NE                    |      |
| Ammonium Hydroxide | ACGIH  | TWA     | NE                    |      |
|                    | OSHA   | STEL    | NE                    |      |
|                    |        | CEILING | NE                    |      |
| Water              | 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:** Black

**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

## 12. ECOLOGICAL INFORMATION

### Toxicity:

Acute Data: no data

Subchronic Data: 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**  
0050-00-0

**Waste Code**  
U122

**Regulated Name**  
Formaldehyde

|           |            |            |
|-----------|------------|------------|
| 1333-86-4 | not listed | not listed |
| 1336-21-6 | not listed | not listed |
| 7732-18-5 | 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       |
| 1333-86-4  | no       | no       |
| 1336-21-6  | no       | no       |
| 7732-18-5  | 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 |
| 1333-86-4 | not listed |
| 1336-21-6 | not listed |
| 7732-18-5 | 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  |
| 1333-86-4  | not listed     | not listed         | not listed  |
| 1336-21-6  | not listed     | not listed         | not listed  |
| 7732-18-5  | 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             |
| 1333-86-4  | not listed     | not listed   | not listed      |
| 1336-21-6  | not listed     | not listed   | not listed      |
| 7732-18-5  | not listed     | not listed   | not listed      |

### CERCLA

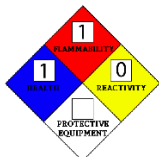
The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or

greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

| <b>CAS Number</b> | <b>Regulated Name</b> | <b>RQ (pounds)</b> |
|-------------------|-----------------------|--------------------|
| 0050-00-0         | Formaldehyde          | 100                |
| 1333-86-4         | not listed            | not listed         |
| 1336-21-6         | not listed            | 1000               |
| 7732-18-5         | 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.