AZER SCIENTIFIC

SDS Safety Data Sheet – Tissue Marking Dye-Black

12/2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Tissue Marking Dye-Black
SYNONYMS: None
PRODUCT CODES: ESTMD-2BK, ESTMD-8BK

MANUFACTURER: Azer Scientific, Inc.
ADDRESS: 701 Hemlock Rd, Morgantown, PA 19543

CHEMTREC PHONE: 800-424-9300
SUPPORT: 610-524-5810
FAX: 610-901-3046

PRODUCT USE: Laboratory Reagent
PREPARED BY: CB

SECTION 1 NOTES:

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION: Serious Eye Damage Category 2A, Skin Irritation Category 2; Carcinogenicity Category 2



Signal Word: Warning!

Hazard Phrases	
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H315	Causes skin irritation.

Precautionary Phrases	
P260	Do not breathe mist, spray, vapors.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash skin thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352	IF ON SKIN: wash with plenty of soap and water.
P363	Wash contaminated clothing before reuse
P308+P313	IF exposed or concerned: Get medical advice/attention.

SECTION 2 NOTES:

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	**CAS NO.**	**% WT**
Carbon black pigment	1333-86-4	Trade secret
Surfactants NV	Trade secret	Trade secret

Propylene glycol	57-55-6	Trade secret
Water	7732-18-5	Trade secret
Ammonium Hydroxide 28%	1336-21-6	Trade secret
Preservatives	Trade secret	Trade secret

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation develops.

SKIN: In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.

INGESTION: Call medical doctor or poison control center immediately. Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

INHALATION: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms worsen.

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY OF THE PRODUCT: LEL 2.6%, UEL 12.5%

FLASH POINT: 211°F

AUTOIGNITION TEMPERATURE: Not available

NFPA HAZARD CLASSIFICATION
HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0
OTHER:

HMIS HAZARD CLASSIFICATION
HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0
PROTECTION:H

EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

NOT SUITABLE: Do not use direct water stream.

SPECIAL FIRE FIGHTING PROCEDURES: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Keep unopened containers cool by spraying with water.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion can emit acrid smoke and irritating fumes.

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Small spill and leak: Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

Large spill and leak: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING: Do not get in eyes, on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wash thoroughly after handling.

STORAGE: Store in a well ventilated place. Keep container tightly closed. Store in original container, protected from direct sunlight. Store in a segregated and approved area.

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: General mechanical ventilation or laboratory fume hood. Ensure that eyewash stations and quick drench showers are close to the workstation.

RESPIRATORY PROTECTION: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

EYE PROTECTION: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: splash goggles

SKIN PROTECTION: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: lab coat

HANDS: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: Neoprene

ENVIRONMENTAL EXPOSURE CONTROLS: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

WORK HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

EXPOSURE GUIDELINES:

Chemical Name	Source	Type	value
Carbon Black Pigment	OSHA PEL	TWA	3.5 mg/m^3
Carbon Black Pigment	ACGIH PEL	TWA	3 mg/m^3

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Black
ODOR: ammonia like
PHYSICAL STATE: liquid/paste
pH AS SUPPLIED: Not available
BOILING POINT: 365°F
MELTING POINT: Not available
FREEZING POINT: Not available
VAPOR PRESSURE (mmHg): Not available
VAPOR DENSITY (AIR = 1): 2.62 (Air=1)
EVAPORATION RATE: Not available
SOLUBILITY IN WATER: Soluble in water
MOLECULAR WEIGHT: Mixture
VISCOSITY: Not established

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable under normal conditions of use.

CONDITIONS TO AVOID (STABILITY): Excessive heat

INCOMPATIBILITY (MATERIAL TO AVOID): Oxidizers, strong acids

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide, Carbon dioxide.

HAZARDOUS POLYMERIZATION: No hazardous polymerization

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
Carbon Black: LD50 Oral Rat > 15,400 mg/kg

Inhalation LC50
no data available

Skin corrosion/irritation
Carbon black, amorphous: LD50 (dermal, rat) => 3,000mg/kg

Serious eye damage/eye irritation
Corrosive to eye.

Respiratory or skin sensitization
Vapor could be toxic, cause severe irritation and sensitization. Symptoms include a burning sensation, coughing, shortness of breath, nausea, headache or dizziness.

Germ cell mutagenicity
no data available

Carcinogenicity:
Carbon Black is classified by IARC as Group 2B: Possibly carcinogenic to humans. No other components are listed as a carcinogen by OSHA, ACGIH, IARC, NTP, or EU Dangerous Substances Directive.

Specific target organ toxicity - single exposure (Globally Harmonized System)

no data available
Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available
Aspiration hazard
no data available
Potential health effects
Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion Harmful if swallowed.
Skin May be harmful if absorbed through skin. Causes skin irritation.
Eyes Causes eye irritation.
Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

ROUTES OF ENTRY: Skin/eye contact, respiratory tract

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY: No relevant studies identified.
PERSISTANCE AND DEGRADABILITY: Biodegradation is expected to be a major fate process for this material.
BIOACCUMULATIVE POTENTIAL: Not expected to bio accumulate.
MOBILITY IN SOIL: This material is expected to have very high mobility in soil.
PBT and vPvB ASSESSMENT: Not required.

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Unused product: dispose as a regulated hazardous waste. Spent product or spill cleanup- follow all provincial, local, state, and federal regulations.

RCRA HAZARD CLASS:

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: Not Regulated
PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENT:

AIR TRANSPORTATION (IATA): Not Regulated
PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

IMDG: Not Regulated
PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:

PACKING GROUP:
LABEL STATEMENTS:
ENVIRONMENTAL HAZARDS: Marine Pollutant: No

OTHER AGENCIES:
Canadian TDG: Not Regulated
EU ADR/RID: Not Regulated

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

United States
HCS Classification: Irritating material

U.S. Federal regulations:

TSCA (Toxic Substance Control Act): All components are listed on the TSCA Inventory.
SARA 302/304/311/312 extremely hazardous substances:
SARA 302/304 emergency planning and notification:
SARA 302/304/311/312 hazardous chemicals:
SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
SARA 313:
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

DEA List I & II Chemicals
(Precursor Chemicals): Not listed

RTK STATES: Carbon Black CAS#1333-86-4 MA, PA, NJ

California Prop. 65
WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm: Carbon Black CAS#1333-86-4 (Cancer)

CANADA
WHMIS (Canada): D2B Toxic material causing other toxic effects.

CEPA DSL / CEPA NDSL: All components are listed or exempted.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

International regulations
International lists:

Australia inventory (AICS): All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: All components are listed or exempted.
Korea inventory: All components are listed or exempted.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.

SECTION 16: OTHER INFORMATION

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



DISCLAIMER: This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labelling 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 Azer Scientific 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.

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