SAFETY DATA SHEET

Product Name: DYNACOAT Textile Direct Imaging Plus Emulsion

SDS Version No.: 1.0
Issue Date: Jul 2024
Revision Date: N/A

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DYNACOAT Textile Direct Imaging Plus Emulsion
PRODUCT DESCRIPTION: Emulsion
PRODUCT USAGE: Liquid emulsion for screen printing.

SUPPLIER

NBC Meshtec Americas Inc.
512 Kingsland Drive
Batavia, IL 60510
Website: nbcmeshtec.com
Phone: 1 (800) 235-5056
Fax: 1 (630) 293-5647

24/7 EMERGENCY PHONE CONTACT

1 (800) 535-5053 Infotrac United States and Canada
+1 (352) 323-3500 Infotrac International (Call collect)

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Sensitization, Category 1: May cause an allergic skin reaction

Aquatic Chronic, Category 3: Harmful to aquatic life with long lasting effects

GHS LABEL

GHS07

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H317: May cause an allergic skin reaction.

H412: Harmful to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

Prevention:

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

HAZARD COMPONENTS FOR LABELLING: 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid, 2-methyl-2H-isothiazol-3-one, ethoxylated (3) trimethylolpropane triacrylate, 2-Isopropyl-9H-thioxanthen-9-one

3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDIOUS INGREDIENTS

Chemical Name	Wt.%	CAS
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	2.5 - 10	55818-57-0
Ethoxylated (3) trimethylolpropane triacrylate	2 - 15	28961-43-5

Oxydipropyl dibenzoate	1 - 6	27138-31-4
2-Isopropyl-9H-thioxanthen-9-one	0.1 – 1.5	5495-84-1
1,2-Benzisothiazol-3(2H)-one	< 0.2	2634-33-5

4. FIRST AID MEASURES

GENERAL: In any case of suspected contamination or if symptoms persist, get medical attention. Never give anything by mouth to an unconscious person. Place in recovery position and get immediate medical attention. In case of irregular breathing or respiratory arrest, provide artificial respiration.

EYES: Rinse carefully for several minutes. Remove contact lenses if present and possible to do so. Then continue rinsing. If eye irritation persists, get medical attention.

SKIN: Wash off with soap and plenty of water. Immediately remove any contaminated clothing.

INGESTION: Seek medical attention. Do NOT induce vomiting.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use carbon dioxide, water mist, or foam. Do not use a strong jet of water.

SPECIAL HAZARDS: Gasses/vapors, toxic

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus for firefighting if necessary.

ADDITIONAL INFORMATION: Affected areas should be blocked off and identified with appropriate warning and safety signs. Cool closed containers located near the source of the fire. Do not allow water used to extinguish the fire to enter drains, the ground, or waterways.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: See recommendations in sections 7 and 8 below.

ENVIRONMENTAL PRECAUTIONS: Do not allow to enter surface water or drains in significant quantities. If contamination of lakes, rivers, or sewage systems occurs, contact appropriate authorities in accord with local regulations.

CONTAINMENT AND CLEANUP: Isolate leaked material using non-flammable absorption agent such as sand, earth, vermiculite, or diatomaceous earth. Collect absorbed material for disposal in appropriate containers in accord with local regulations. (See section 13).

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Do not inhale vapors or mist. Do not eat, drink, or smoke while using. See recommendations on personal protective equipment in section 8.

STORAGE: Keep container closed and stored in a cool, well-ventilated place. Do not transfer to another unmarked container. Keep away from strongly acidic or alkaline materials and oxidizers.

SHELF LIFE: 18 months at 70°F (21°C)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

SKIN: Handle with chemical-resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash thoroughly with water and soap or use an appropriate cleanser.

RESPIRATORY: Where concentration of solvents is beyond approved occupational exposure limits, approved suitable

respiratory protection must be used.

PROTECTIVE CLOTHING: Wear anti-static natural fibers such as cotton or heat-resistant synthetic fibers. Apron recommended.

WORK HYGIENIC PRACTICES: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restroom. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

ENVIRONMENTAL EXPOSURE CONTROLS: Do not allow to enter surface water or drains in significant quantities. (See section 7)

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Characteristic
COLOR: See product label
pH: N/A
MELTING POINT: N/A
FREEZING POINT: N/A
BOILING POINT: 212°F (100°C)
FLASH POINT AND METHOD: N/A
EVAPORATION RATE: N/A
FLAMMABLE LIMITS: 0.8 Vol-% – N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY: N/A
RELATIVE DENSITY: 1.06 g/cm^3 at 68°F (20°C)
SOLUBILITY IN WATER: Very soluble at 68°F (20°C)
AUTOIGNITION TEMPERATURE: 400°C (Oxydipropyl dibenzoate)
VISCOSITY: 10,000 mPas at 68°F (20°C)
EXPLOSIVE PROPERTIES: N/A
OXIDIZING PROPERTIES: N/A
SOLID CONTENT: 41% by weight

10. STABILITY AND REACTIVITY

REACTIVITY: N/A
STABILITY: Stable under recommended storage conditions (See section 7)
CONDITIONS TO AVOID: N/A
POSSIBILITY OF HAZARDOUS REACTIONS: Keep away from strong acids, bases, and oxidizing agents to avoid risk of exothermic reactions.
HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition byproducts such as carbon dioxide, carbon monoxide, smoke, or nitrogen oxides may form with exposure to high temperatures.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Based on available data, criteria for classification are not met

SKIN CORROSION OR IRRITATION: Based on available data, criteria for classification are not met

SERIOUS EYE DAMAGE OR IRRITATION: Based on available data, criteria for classification are not met

RESPIRATORY OR SKIN SENSITIZATION: May cause an allergic skin reaction

CARCINOGENICITY, MUTAGENICITY AND TOXICITY FOR REPRODUCTION (CMR) EFFECTS: Based on available data, criteria for classification are not met

SPECIFIC TARGET ORGAN TOXICITY–SINGLE EXPOSURE (STOT-SE): Based on available data, criteria for classification are not met

SPECIFIC TARGET ORGAN TOXICITY–REPEATED EXPOSURE (STOT-RE): Based on available data, criteria for classification are not met

PRACTICAL EXPERIENCE/HUMAN EVIDENCE: Prolonged or repeated contact with product may lead to irritation of mucous membranes and skin, including redness, formation of blebs, dermatitis, and so on.

OVERALL ASSESSMENT OF CMR PROPERTIES: The ingredients of this product do not meet the criteria for classification as CMR Category 1A or 1B according to CLP.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Product classification and evaluation completed according to GHS. Do not store at public landfills.
TOXICITY: Based on available data, criteria for classification are not met
LONG-TERM ECOTOXICITY: Harmful to aquatic life with long-lasting effects
PERSISTENCE AND DEGRADABILITY: Toxicological data unavailable
BIOACCUMULATIVE POTENTIAL: Toxicological data unavailable
BIOCONCENTRATION FACTOR (BCF): Toxicological data unavailable
MOBILITY IN SOIL: Toxicological data unavailable
OTHER ADVERSE EFFECTS: N/A

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL METHOD: Dispose of in accordance with all current local, state, and federal regulations.

PACKAGING DISPOSAL METHOD: Non-contaminated packaging may be recycled. Vessels not properly emptied should be considered special waste.

14. TRANSPORT INFORMATION

UN NUMBER: N/A
UN PROPER SHIPPING NAME: N/A
TRANSPORT HAZARD CLASS(ES): N/A
PACKING GROUP: N/A
ENVIRONMENTAL HAZARDS
DOT (DEPARTMENT OF TRANSPORTATION): N/A
MARINE POLLUTANT: N/A
SPECIAL PRECAUTIONS FOR USER: Always transport in an appropriate closed, upright container. Ensure that all involved in transportation understand what to do in case of accident or leakage. (See sections 6-8)
ADDITIONAL INFORMATION
LAND TRANSPORT (ADR/RID) TUNNEL RESTRICTION CODE: N/A
SEA TRANSPORT (IMDG) EMS-NO.: N/A (Packaging > 30 L)
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE: N/A

15. REGULATORY INFORMATION

UNITED STATES
TSCA (TOXIC SUBSTANCE CONTROL ACT): Listed

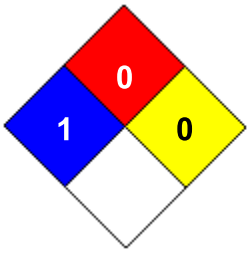
16. OTHER INFORMATION

PREPARED BY: SDS Regulatory Specialist **Date Revised:** N/A
REVISION SUMMARY: N/A

HMIS RATING

HEALTH		**1**
FLAMMABILITY		**0**
PHYSICAL HAZARD		**0**
PERSONAL PROTECTION		**B**

NFPA CODES



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