

Safety Data Sheet

"MPD" Multipurpose A/C Dye

Revision Date: 11/03/2020

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifier	
Product Identity:	Fluoro Dye "MPD" Multipurpose A/C Dye Synthetic Base Stock and Additives
1.2. Product Description:	Polyolester Oil / Fluorescent UV Dye For Air Conditioning Systems
Intended Use:	Leak Detection For Air Conditioning Systems
1.3. COMPANY IDENTIFICATION	
Manufacturer/Supplier:	Fluoro-Dye Products, Inc. 908 E. Impala Ave Mesa, AZ 85204 USA 1-800-892-3931
Emergency telephone numbers USA – Chemtrec: 800-424-9300 All Others – Chemtrec: +1-703-527-3887 Outside USA +1 202-366-4488	

SECTION 2: HAZARDS IDENTIFICATION OF THE PRODUCT

This material is not considered to be hazardous according to regulatory guidelines see Section 15.	
2.1 Classification of the substance or mixture: No applicable GHS categories	
2.2 Label Elements: Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows: -No applicable GHS categories.	
Prevention	No GHS prevention statements.
Response	No GHS response statements.
Storage	No GHS storage statements.
Disposal	No GHS disposal statements.

SECTION 3: Composition / Information on ingredients

There are no ingredients in this product which are classified as hazardous. The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 : FIRST AID MEASURES

4.1 Description of First Aid Measures	
General:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
Skin:	Wash with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops get medical attention.
Eye :	Flush thoroughly with water. If irritation occurs, get medical assistance.
Ingestion:	First aid is normally not required. Seek medical attention if discomfort occurs.
4.2 Most Important Symptoms and Effects, Both Acute and Delayed	
Overview:	No specific symptom data available. See section 2 for further details.

SECTION 5 : FIRE FIGHTING PROCEDURES

5.1 Extinguishing Media	
Recommended Extinguishing Media:	Alcohol resistant foam, CO ₂ powder, water spray
Do Not Use:	Water jet
5.2 Special Hazards Arising From the Substance or Mixture	
Hazardous Decomposition:	No hazardous decomposition data available.
5.3 Advice for Fire Fighters	
Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.	
ERG Guide No.: —	

SECTION 6 : SPILL OR LEAK HANDLING PROCEDURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures	
Put on appropriate personal protective equipment (see section 8).	
6.2 Environmental Precautions	
<ul style="list-style-type: none"> Do not allow spills to enter drains or waterways. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. 	
6.3 Methods and Materials for Containment and Cleaning Up	
<ul style="list-style-type: none"> Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13). Clean, preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or watercourses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed. 	

SECTION 7 : HANDLING AND STORAGE

7.1 Precautions for safe handling	Prevent small spills and leakage to avoid slip hazard. Static Accumulator: This material is a static accumulator. See section 2 for further details. - [Prevention]
7.2 Conditions for safe storage, including any incompatibilities	Handle containers carefully to prevent damage and spillage. Do not store in open or unlabeled containers. Incompatible materials: Avoid contact with ignition sources and strong oxidizers. See section 2 for further details. -[Storage]
7.3 Specific end use(s)	No data available.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

There are no ingredients in this product which are classified as hazardous.	
8.1 Exposure Controls	
Respiratory	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
Eyes	Protective safety glasses recommended.
Skin	Wear overalls to keep skin contact to a minimum.
Engineering Controls	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
See section 2 for further details. - [Prevention]:	

SECTION 9 : PHYSICAL & CHEMICAL PROPERTIES
9.1 General Information

Appearance	Clear Fluorescent Green or Yellow Liquid
Odor	Characteristic
Odor Threshold	Not Measured
pH	Not Measured
Melting Point/Freezing Point	Not Measured
Initial Boiling Point and Boiling Range	>300°C
Flash Point	266°C (511°F)
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	0.965 @ 20°C
Solubility in Water	Insoluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt) @ 40°C	100 ± 10%
Density @ 20°C (g/cm³)	0.963
Pour Point °C (°F)	-36°C (-33°F)

9.2 Other Information: No other relevant information.

SECTION 10 : STABILITY & REACTIVITY

10.1 Reactivity: Hazardous Polymerization will not occur.

10.2 Chemical Stability: Stable under normal circumstances.

10.3 Possibility of Hazardous Reactions: No data available

10.4 Conditions to Avoid: No data available

10.5 Incompatible Materials: No data available

10.6 Hazardous Decomposition Products: No hazardous decomposition data available

SECTION 11: TOXICOLOGICAL INFORMATION
11.1 Acute Toxicity

There are no ingredients in this product which are classified as hazardous.

Note: When no route specific LD₅₀ data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation for the product's ATE (Acute Toxicity Estimate).

Item	Category	Hazard
Acute Toxicity (mouth, skin, and inhalation)	—	Not Applicable
Skin Corrosion/Irritation	—	Not Applicable
Eye Damage/Irritation	—	Not Applicable
Sensitization (skin and respiratory)	—	Not Applicable
Germ Cell Mutagenicity	—	Not Applicable
Carcinogenicity	—	Not Applicable
Reproductive Toxicity	—	Not Applicable
Specific Target Organ Systemic Toxicity (single and repeated exposure)	—	Not Applicable
Aspiration Hazard	—	Not Applicable

SECTION 12 : ECOLOGICAL INFORMATION	
12.1 Toxicity	
Toxicity	No additional information provided for this product. See Section 3 for chemical specific data.
Aquatic Ecotoxicity	There are no ingredients in this product which are classified as hazardous.
12.2 Persistence and Degradability: There is no data available on the preparation itself.	
12.3 Bioaccumulative Potential: Not measured	
12.4 Mobility in Soil: No data available	
12.5 Results of PBT and vPvB Assessment: This product contains no PBT/vPvB chemicals.	
12.6 Other Adverse Effects: No data available	

SECTION 13 : DISPOSAL CONSIDERATIONS	
13.1 Waste Treatment Methods	
Observe all federal, state and local regulations when disposing of this substance.	

SECTION 14 : TRANSPORT INFORMATION			
14.1 UN Number: Not Applicable			
14.2 UN Proper Shipping Name: Not Regulated			
14.3 Transport Hazard Class(es)			
DOT (Domestic Surface Transportation)		IMO/IMDG (Ocean Transportation) / ICAO/IATA	
DOT Proper Shipping Name	Not Regulated	IMDG Proper Shipping Name	Not Regulated
DOT Hazard Class	Not Applicable	IMDG Hazard Class	Not Applicable
DOT Label	---	Sub Class	Not Applicable
UN / NA Number	Not Applicable	IMDG Packing Group	Not Applicable
DOT Packing Group	Not Applicable	ICAO/IATA Proper	Not Regulated
CERCLA/DOT RQ	NA gal. / NA lbs.	Shipping Name Air Class	Not Applicable
14.4 Packing Group: Not Applicable			
14.5 Environmental Hazards			
IMDG	Marine Pollutant: No		
14.6 Special Precautions for User: Not Applicable			
14.7 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code: Not Applicable			

SECTION 15: Regulatory Information Product Component Ingredients	
Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All components of this material are either listed or exempt from listing on the following Chemical Inventories: AICS, DSL, ENCS, IECSC, KECl, NZIoC, PICCS, TSCA, TCSI.
WHMIS Classification	Not Regulated
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): No Delayed (Chronic): No
EPCRA 311/312 Chemicals and RQs:	(No Product Ingredients Listed)
EPCRA 302 Extremely Hazardous :	(No Product Ingredients Listed)
EPCRA 313 Toxic Chemicals:	(No Product Ingredients Listed)
Proposition 65 - Carcinogens (>0.0%):	(No Product Ingredients Listed)
Proposition 65-Developmental	(No Product Ingredients Listed)

Toxins (>0.0%):	
Proposition 65 - Female Repro Toxins (>0.0%):	(No Product Ingredients Listed)
Proposition 65 - Male Repro Toxins (>0.0%):	(No Product Ingredients Listed)
N.J. RTK Substances (>1%) :	(No Product Ingredients Listed)
Penn RTK Substances (>1%) :	(No Product Ingredients Listed)

SECTION 16: OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

History

03-November-2020: Updated to reflect SDS GHS format

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations
- N/D = Not determined, N/A = Not applicable

KEY TO THE RISK CODES CONTAINED IN SECTION 2 AND 3 OF THIS DOCUMENT (for information only): .

Hazardous Material Information System and National Fire Protection Association (U.S.A.)						
Degree of Hazard	NFPA		HMIS		HAZARD RATINGS	
Health	1		1		0	Insignificant
Fire	1		1		1	Slight
Reactivity	0		0		2	Moderate
Personal Protection			B		3	High
					4	Severe

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