

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/01/2022

Reviewed on 01/01/2022

* 1 Identification

: Product identifier

: Trade name: MPD OIL & FLUID DYE

: Application of the substance / the mixture Dye stuff / coloring agent

: Details of the supplier of the safety data sheet

: Manufacturer/Supplier:

Fluoro Dye Products, Inc.
908 E Impala Ave,
Mesa, AZ 85204

: For more information

Website: www.fluorodye.com
1-800-892-9391 - Fax 480-892-7474

: Telephone: 480-926-9719

: Emergency telephone number:

Within Continental U.S., CHEMTREC 1-800-424-9300; Outside U.S., CHEMTREC 1-703-527-3887

Within Continental U.S., CHEMTREC 1-800-424-9300

Outside U.S., CHEMTREC 001-703-527-3887

* 2 Hazard(s) identification

: Classification of the substance or mixture



Health hazard

May be fatal if swallowed and enters airways.

May cause long lasting harmful effects to aquatic life.

: Label elements

: GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

: Hazard pictograms



GHS08

: Signal word Danger

: Hazard-determining components of labeling:

Distillates (petroleum), hydrotreated light naphthenic

: Hazard statements

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

: Precautionary statements

P273 Avoid release to the environment.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

: Additional information:

65 % of the mixture consists of component(s) of unknown toxicity.

: Classification system:

: NFPA ratings (scale 0 - 4)



Health = 0
Fire = 1
Reactivity = 0

: HMIS-ratings (scale 0 - 4)



Health = 0
Fire = 1
Reactivity = 0

: Other hazards

: Results of PBT and vPvB assessment

: PBT: Not applicable.

: vPvB: Not applicable.

*** 3 Composition/information on ingredients**

: Chemical characterization: Mixtures

: Description: Mixture of the substances listed below with nonhazardous additions.

: Dangerous components:

64742-53-6	Distillates (petroleum), hydrotreated light naphthenic	30-40%
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: Additional information:

The classification as a carcinogen need not to apply because the hydrotreated light naphthenic distillates solvent present, contains less than 3 % DMSO extract as measured by IP 346 (Dir. 2001/59/EC)

*** 4 First-aid measures**

: Description of first aid measures

: After inhalation: In case of unconsciousness place patient stably in side position for transportation.

: After skin contact: Immediately wash with water and soap and rinse thoroughly.

: After eye contact: Rinse opened eye for several minutes under running water.

: After swallowing: Immediately call a doctor.

: Information for doctor:

: Most important symptoms and effects, both acute and delayed

No further relevant information available.

: Indication of any immediate medical attention and special treatment needed

No further relevant information available.

*** 5 Fire-fighting measures**

: Extinguishing media

: Suitable extinguishing agents: Use fire fighting measures that suit the environment.

: Special hazards arising from the substance or mixture No further relevant information available.

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- : **Advice for firefighters**
- : **Protective equipment:** No special measures required.

* **6 Accidental release measures**

- : **Personal precautions, protective equipment and emergency procedures** Not required.
- : **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- : **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- : **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- : **Protective Action Criteria for Chemicals**

: PAC-1:
None of the ingredients is listed.
: PAC-2:
None of the ingredients is listed.
: PAC-3:
None of the ingredients is listed.

* **7 Handling and storage**

- : **Handling:**
- : **Precautions for safe handling** No special precautions are necessary if used correctly.
- : **Information about protection against explosions and fires:** No special measures required.
- : **Conditions for safe storage, including any incompatibilities**
- : **Storage:**
- : **Requirements to be met by storerooms and receptacles:** No special requirements.
- : **Information about storage in one common storage facility:** Not required.
- : **Further information about storage conditions:** Keep receptacle tightly sealed.
- : **Specific end use(s)** No further relevant information available.

* **8 Exposure controls/personal protection**

- : **Additional information about design of technical systems:** No further data; see item 7.
- : **Control parameters**
- : **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- : **Additional information:** The lists that were valid during the creation were used as basis.

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: Exposure controls

: Personal protective equipment:

: General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

: Breathing equipment: Not required.

: Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

: Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

: Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

: Eye protection: Goggles recommended during refilling.

*** 9 Physical and chemical properties**

: Information on basic physical and chemical properties

: General Information

: Appearance:

: Form: Fluid
: Color: Dark red
: Odor: Characteristic
: Odor threshold: Not determined.

: pH-value at 20°C (68°F): 7

: Change in condition

: Melting point/Melting range: Undetermined.
: Boiling point/Boiling range: Undetermined.

: Flash point: >100°C (>212°F)

: Flammability (solid, gaseous): Not applicable.

: Decomposition temperature: Not determined.

: Auto igniting: Product is not selfigniting.

: Danger of explosion: Product does not present an explosion hazard.

: Explosion limits:

: Lower: Not determined.
: Upper: Not determined.

: Vapor pressure: Not determined.

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: Density:	Not determined.
: Relative density	Not determined.
: Vapor density	Not determined.
: Evaporation rate	Not determined.
: Solubility in / Miscibility with	
: Water:	Not miscible or difficult to mix.
: Partition coefficient (n-octanol/water):	Not determined.
: Viscosity:	
: Dynamic at 20 °C (68 °F):	25 mPas
: Kinematic:	Not determined.
: Solvent content:	
: VOC content:	0.00 %
: Solids content:	65.0 %
: Other information	No further relevant information available.

*** 10 Stability and reactivity**

- : **Reactivity** No further relevant information available.
- : **Chemical stability**
 - : **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- : **Possibility of hazardous reactions** No dangerous reactions known.
- : **Conditions to avoid** No further relevant information available.
- : **Incompatible materials:** No further relevant information available.
- : **Hazardous decomposition products:** No dangerous decomposition products known.

*** 11 Toxicological information**

- : **Information on toxicological effects**
- : **Acute toxicity:**

: LD/LC50 values that are relevant for classification:		
64742-53-6 Distillates (petroleum), hydrotreated light naphthenic		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

- : **Primary irritant effect:**
 - : **on the skin:** No irritant effect.
 - : **on the eye:** No irritating effect.
- : **Sensitization:** No sensitizing effects known.
- : **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
- : **Carcinogenic categories**

: IARC (International Agency for Research on Cancer)
None of the ingredients is listed.

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: NTP (National Toxicology Program)
None of the ingredients is listed.
: OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

*** 12 Ecological information**

- : Toxicity**
- : Aquatic toxicity:** No further relevant information available.
- : Persistence and degradability** No further relevant information available.
- : Behavior in environmental systems:**
- : Bioaccumulative potential** No further relevant information available.
- : Mobility in soil** No further relevant information available.
- : Additional ecological information:**
- : General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- : Results of PBT and vPvB assessment**
- : PBT:** Not applicable.
- : vPvB:** Not applicable.
- : Other adverse effects** No further relevant information available.

*** 13 Disposal considerations**

- : Waste treatment methods**
- : Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- : Uncleaned packagings:**
- : Recommendation:** Disposal must be made according to official regulations.

*** 14 Transport information**

: UN-Number	
: DOT, ADN, IMDG, IATA	Void
: UN proper shipping name	
: DOT, ADN, IMDG, IATA	Void
: Transport hazard class(es)	
: DOT, IMDG, IATA	
: Class	Void
: Label	NOTREGULATED
: ADN/R Class:	Void

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: Packing group	
: DOT, IMDG, IATA	Void
: Environmental hazards:	
: Marine pollutant:	No
: Special precautions for user	Not applicable.
: Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
: UN "Model Regulation":	Void

*** 15 Regulatory information**

: **Safety, health and environmental regulations/legislation specific for the substance or mixture**
: Sara

: Section 355 (extremely hazardous substances):	None of the ingredients is listed.	
: Section 313 (Specific toxic chemical listings):	None of the ingredients is listed.	
: Sara 311/312 Hazards Fire Hazard, Acute Health Hazard, Chronic Health Hazard	None of the ingredients is listed.	
: CERCLA Hazardous Substances and Corresponding RQ's	None of the ingredients is listed.	
: Clean Water Act	None of the ingredients is listed.	
: Massachusetts Extraordinary Harardous Substances	None of the ingredients is listed.	
: Sara Section 302 (Reportable Ingredients)	None of the ingredients is listed.	
: SARA Section 304 (Reportable Ingredients)	None of the ingredients is listed.	
: TSCA (Toxic Substances Control Act):	68411-75-6 Solvent Red 175	
: California Right to Know Law	None of the ingredients is listed.	
: Massachusetts Right to Know Law	64742-53-6 Distillates (petroleum), hydrotreated light naphthenic	Yes
: Minnesota Right to Know Law	None of the ingredients is listed.	
: New Jersey Right to Know Law	64742-53-6 Distillates (petroleum), hydrotreated light naphthenic	

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: Pennsylvania Right to Know Law
None of the ingredients is listed.
: Rhode Island Right to Know Law
None of the ingredients is listed.
: New Jersey Special Hazardous Substances
None of the ingredients is listed.
: Illinois Toxic Air Contaminants
None of the ingredients is listed.
: Pennsylvania Right to Know Special Hazardous Substances
None of the ingredients is listed.
: TSCA new (21st Century Act) (Substances not listed)
64742-53-6 Distillates (petroleum), hydrotreated light naphthenic
: Proposition 65
: Chemicals known to cause cancer:
None of the ingredients is listed.
: Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
: Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
: Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
: Pennsylvania Right to Know Environmental Hazard
None of the ingredients is listed.
: Carcinogenic categories
: EPA (Environmental Protection Agency)
None of the ingredients is listed.
: TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.
: NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.
: Clean air act section 111 SOCMi intermediate or final VOC's (40 CFR 60.489)
None of the ingredients is listed.

: GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

: Hazard pictograms



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: **Signal word** Danger

: **Hazard-determining components of labeling:**

Distillates (petroleum), hydrotreated light naphthenic

: **Hazard statements**

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

: **Precautionary statements**

P273 Avoid release to the environment.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

: **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

: **Date of preparation / last revision** 01/01/2022

: **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic

Hazard – Category 4

: * **Data compared to the previous version altered.**