

SAFETY DATA SHEET

Revision date 11-Feb-2025

Revision Number 3

1. Identification

Product identifier

Product Name TP3320, UV FLUORESCENT WHITE DYE OIL-BASED FLUID SYSTEMS

Other means of identification

Product Code(s) TP3320

UN number or ID number UN3082***

Synonyms TP3320-1,TP3320-16,TP3320-1G,TP3320-1P6,TP3320-32,TP3320-55G,TP3320-5G,TP3320-8

Recommended use of the chemical and restrictions on use

Recommended use Leak Detection

Restrictions on use No information available

Details of the supplier of the safety data sheet

Manufacturer

Spectronics Corporation
265 Spagnoli Road
Melville, NY 11747
USA

E-mail address sds@spectroline.com

Emergency telephone number

Emergency Telephone US & Canada: 800-424-9300 (24 HOURS CHEMTREC)
Outside US & Canada: +1 703-741-5970 (24 HOURS CHEMTREC)

2. Hazard(s) identification

Classification

Aspiration hazard Category 1***

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Danger***

Hazard statements

May be fatal if swallowed and enters airways***

Aspiration hazard



Appearance Liquid

Physical state Liquid

Odor Slight

Precautionary Statements - Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor
Do NOT induce vomiting***

Precautionary Statements - Storage

Store locked up***

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant***

Unknown acute toxicity

Other information

Causes mild skin irritation. Toxic to aquatic life with long lasting effects. Toxic to aquatic life.***

3. Composition/information on ingredients

Substance

Not applicable.***

Mixture ***

Chemical name	CAS No.	Weight-%	Trade secret
Petroleum Aromatic Naphthalene Depleted	Trade secret	10 - 20%	*
Oil Dye Blue Fluorescing	Trade secret	0 - 10%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.***

Inhalation

Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may occur.***

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact

Wash skin with soap and water.

Ingestion

ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE.

Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.***

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required.***

Most important symptoms and effects, both acute and delayed

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Prolonged contact may cause redness and irritation.***

Indication of any immediate medical attention and special treatment needed

Note to physicians Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.***

5. Fire-fighting measures

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical No information available.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Use personal protective equipment as required.***

Other information Refer to protective measures listed in Sections 7 and 8.***

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Store away from other materials.***

8. Exposure controls/personal protection

Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).***

Hand protection Wear suitable gloves.***

Skin and body protection Wear suitable protective clothing.***

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state Liquid
Appearance Liquid
Color amber
Odor Slight
Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flash point	115.5 °C*** /*** 239.9 °F***	None known
Evaporation rate	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air	No data available	None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	.9613	None known

Water solubility	No data available	None known
Solubility(ies)	Insoluble in water	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	10.8 mm ² /s	@ 40 °C
Dynamic viscosity	No data available	None known

Other information

Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
VOC content	No information available
Liquid Density	No information available
Bulk density	No information available

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.***
Eye contact	Specific test data for the substance or mixture is not available. May cause irritation.***
Skin contact	Repeated exposure may cause skin dryness or cracking. Specific test data for the substance or mixture is not available. Causes mild skin irritation.***
Ingestion	Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.***

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Prolonged contact may cause redness and irritation.***
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Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document ***

ATEmix (oral) 9,069.10*** mg/kg***

ATEmix (dermal) 8,301.70*** mg/kg***
 ATEmix (inhalation-gas) 99,999.00*** ppm***
 ATEmix (inhalation-dust/mist) 99,999.00*** mg/l***
 ATEmix (inhalation-vapor) 99,999.00*** mg/l***

Unknown acute toxicity

Component Information ***

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum Aromatic Naphthalene Depleted	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 590 mg/m ³ (Rat) 4 h
Oil Dye Blue Fluorescing	= 5 g/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes mild skin irritation.***

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard May be fatal if swallowed and enters airways.***

Other adverse effects No information available.

Interactive effects No information available.

12. Ecological information

Ecotoxicity Toxic to aquatic life. Toxic to aquatic life with long lasting effects.***

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum Aromatic Naphthalene Depleted	-	LC50: =19mg/L (96h, Pimephales promelas) LC50: =2.34mg/L (96h, Oncorhynchus mykiss) LC50: =1740mg/L (96h, Lepomis macrochirus) LC50: =45mg/L (96h,	-	EC50: =0.95mg/L (48h, Daphnia magna)

		Pimephales promelas LC50: =41 mg/L (96h, Pimephales promelas)	
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Persistence and degradability No information available.

Bioaccumulation

Component Information ***

Chemical name	Partition coefficient
Petroleum Aromatic Naphthalene Depleted	6.5
Oil Dye Blue Fluorescing	2.8

Other adverse effects No information available.

13. Disposal considerations

Disposal methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT

UN number or ID number UN3082***
Proper shipping name Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es) 9***
Packing group III***
Special Provisions 8, 146, 173, 335, 441, IB3, T4, TP1, TP29***
DOT Marine Pollutant I***
Marine pollutant Solvent naphtha, petroleum, heavy aromatic***
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Solvent naphtha, petroleum, heavy aromatic), 9, III, Marine pollutant***
Emergency Response Guide Number 171***

TDG

UN number or ID number UN3082***
UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es) 9***
Packing group III***
Special Provisions 16, 99***
Marine pollutant name Solvent naphtha, petroleum, heavy aromatic***
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Solvent naphtha, petroleum, heavy aromatic), 9, III***

MEX

UN number or ID number UN3082***
UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es) 9***
Packing group III***
Technical Name Solvent naphtha, petroleum, heavy aromatic***

Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Solvent naphtha, petroleum, heavy aromatic), 9, III***
Special Provisions	274, 331, 335, 375***
ICAO (air)	
UN number or ID number	UN3082***
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es)	9***
Packing group	III***
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Solvent naphtha, petroleum, heavy aromatic), 9, III***
Special Provisions	A97, A158, A197, A215***
IATA	
UN number or ID number	UN3082***
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es)	9***
Packing group	III***
Technical Name	Solvent naphtha, petroleum, heavy aromatic***
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Solvent naphtha, petroleum, heavy aromatic), 9, III***
Special Provisions	A97, A158, A197, A215***
ERG Code	9L***
IMDG	
UN number or ID number	UN3082***
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es)	9***
Packing group	III***
EmS-No.	F-A, S-F***
Special Provisions	274, 335, 969***
Marine pollutant	P***
Marine Pollutant	Solvent naphtha, petroleum, heavy aromatic***
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Solvent naphtha, petroleum, heavy aromatic), 9, III, Marine pollutant***
RID	
UN number or ID number	UN3082***
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es)	9***
Packing group	III***
Classification code	M6***
Special Provisions	274, 335, 375, 601***
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Solvent naphtha, petroleum, heavy aromatic), 9, III***
ADR	
UN number or ID number	UN3082***
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es)	9***
Packing group	III***
Classification code	M6***
Tunnel restriction code	(-)**
Special Provisions	274, 335, 601, 375***
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Solvent naphtha, petroleum, heavy aromatic), 9, III, (-)**
ADN	
UN number or ID number	UN3082***
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.***
Transport hazard class(es)	9***
Packing group	III***
Classification code	M6***
Special Provisions	274, 335, 375, 601***

Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Solvent naphtha, petroleum, heavy aromatic), 9, III***
Equipment Requirements	PP***

15. Regulatory information

International Inventories

TSCA	Complies.
DSL/NDSL	Complies.
EINECS/ELINCS	Complies.
ENCS	Complies.
IECSC	Complies.
KECI	Complies.
PICCS	Does not comply.
AIIC	Complies.
NZIoC	Complies.

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECI - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AIIC - Australian Inventory of Industrial Chemicals
- NZIoC - New Zealand Inventory of Chemicals

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Mineral Oil < 3% DMSO	-	X	-

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

<u>NFPA</u>	Health hazards 2***	Flammability 1***	Instability 0	Special hazards -
<u>HMIS</u>	Health hazards 2***	Flammability 1***	Physical hazards 0	Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision date 11-Feb-2025
Revision Note No information available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet