

TRACER PRODUCTS

SAFETY DATA SHEET

TP-9825

Effective: 02/22/18

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Supersedes: 09/14/17

Section 1: Identification

GHS Product Identifier: TP-9825

Other Names: TP-9825-0008, TP-9825-0016, TP-9825-5500

Use of Product: Leak Detection

Description: Fluorescent Dye for mobile air conditioning systems

Company Information:

Tracer Products, a Division of Spectronics Corporation

Section 2: Hazardous Identification



Pictogram:

Signal Word: Warning

Physical Hazards: Not Classified

Health Hazard:

Hazard			Precautionary Statement		
Class	Cat.	Statement	Prevention	Response	Storage
Skin Sensitization	1	May cause an allergic skin reaction.	Avoid breathing vapors; Wear protective gloves/ clothing/eye protection/face protection.; Contaminated work clothes should not be allowed out of the workplace	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse	N/A
Reproductive Toxicity	2	Suspected of damaging fertility or the unborn child	Obtain special instructions before use; do not handle until all safety precautions have been read and understood; wear protective gloves	If exposed or concerned: get medical advice.	Store locked up.
Environmental	3	Harmful to aquatic life with long lasting effects	Avoid release into the environment	Collect spillage	N/A

2.1 GHS Label Elements:

May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life with long lasting effects. Avoid breathing vapors; Wear protective gloves/ clothing/eye protection/face protection.; Contaminated work clothes should not be allowed out of the workplace Obtain special instructions before use; do not handle until all safety precautions have been read and understood; wear protective gloves Avoid release into the environment IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse If exposed or concerned: get medical advice. Collect spillage. Store locked up.

Section 3: Composition/Information on Ingredients

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Chemical Identity: TP-9825**Synonyms:** See Section 1 Above**Hazardous ingredients:**

POLYOXYETHYLENE DIMETHYL ETHER

CAS	GHS Classification	Percent
24991-61-5	Skin Sens. 1: H317	60-70%

DECYLOXIRANE

2855-19-8	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335	1-10%
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DODECYLOXIRANE

3234-28-4	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335	1-10%
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TRICRESYLPHOSPHATE

1330-78-5	Aquatic Chronic 1: H410; Repr. 2: H361fd	<1%
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Section 4: First-Aid Measures

Primary Routes of Exposure:**Inhalation:** Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.**Eye Contact:** Flush eyes with water for 15 minutes. If irritation develops, consult a physician.**Skin Contact:** Wash affected area with soap and water and rinse thoroughly. If irritation develops, consult a physician.**Ingestion:** Give water. Call a physician immediately. Do not induce vomiting.**Aggravation of Existing Conditions:** Exposure to this product is not expected to contribute to, worsen or aggravate any existing medical conditions.**Most Important Symptom:** Treat symptomatically.**Section 5: Fire-Fighting Measures**

Flash Point: Greater than 305° F (152° C)**Test Method:** Pensky Martens Closed Cup**Explosive Limit:** LEL (%): No data available; UEL (%): No data available**Autoignition Temperature:** No data available**Unusual Fire and Hazardous Combustion and Decomposition Products:** Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.). Oxides of nitrogen and carbon.**Fire and Explosion Hazards:** May liberate irritating or toxic vapors during combustion or decomposition.**Extinguishing Media:** Based on the NFPA guide, use dry chemical, carbon dioxide, water mist, water jet sprays, halogen, or alcohol foam suitable for Class B fires. Use water to cool containers exposed to fire. For large fires, use water spray, fog or alcohol foam, thoroughly drenching the burning material.**Unsuitable Extinguishing Media:** High volume water with full jet. Oxidizers and reducers.**Fire-Fighting Procedures/Equipment:** Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved, positive-pressure, self-contained breathing apparatus (SCBA) and full protective clothing. Water can be used to cool and protect containers and surroundings.**Section 6: Accidental Release Measures**

Non-Emergency Personnel:

General Advice: Avoid inhalation and contact with skin, eyes, or clothing. Wash hands and face before eating, drinking, or using tobacco products.

Personal Protective Equipment Needed: Wear impervious gloves, shoes, and protective clothing

Emergency Personnel:

Suitable Protective Gear: Wear impervious gloves, shoes and protective clothing.

Unsuitable Protective Gear: Not Applicable

Environmental Precautions: Prevent any contamination of local soils and water supply. Prevent ground water infiltration or any ground penetration. Avoid the spreading or entering into watercourses by using sand, soil, or other types of barriers. If contamination into water course or sewage system, alert appropriate authorities.

Containment/Clean-up Methods:

Containment & Recovery of Product: Contain with absorbent material, such as clay, soil, universal binding medium, or any commercially available absorbent. Shovel reclaimed dye and absorbent into a recovery or salvage drums for disposal. For larger spills, transfer to a salvage tank for recovery or safe disposal. Any residues should be treated like a small spill. This is not a RCRA hazardous waste per Title 40 CFR 261. Stop material from contaminating soil, or from entering sewers or bodies of water. For larger spills, transfer to a salvage tank for safe recovery/disposal. Residues are treated as small spills.

Disposal: Either incinerate or land fill in accordance with applicable local, state and federal regulations.

Section 7: Handling and Storage

Handling Precautions: Use product only in well ventilated areas. Avoid breathing in mists or vapors from a heated product. Avoid formation of mists. Avoid heating product near flash point. Avoid prolonged or repeated contact with skin. Handle in ambient temperature.

Storage Conditions: Store in a cool, dry, well-ventilated area away from heat, ignition sources, and direct sunlight. Always keep containers tightly closed. Store away from oxidizing and reducing agents.

Personal Hygiene: Wash hands before breaks and at the end of the work day. Do not carry cleaning clothes used to absorb product in clothing. General hygiene measures for chemicals apply.

Empty Container Precautions: Do not reuse empty container for any purpose.

Special Warnings: Hot organic chemical vapors or mists can suddenly and without warning combust when mixed with air.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits: No exposure limits have been established for this product.

Biological Exposure Limits: No data available

Engineering Controls/Ventilation: Maintain airborne concentrations below the established exposure limits by providing adequate ventilation. General (dilution) ventilation should be acceptable. Additional local exhaust ventilation is recommended where dusts, mists or vapors may be released.

Airborne Oil Mist Exposure Limits: Polyalkylene Glycol

ACGIH TLV: 5 mg/m³, 8 hr.

ACGIH STEL: 10 mg/m³

OSHA PEL: 5mg/m³, 8 hr.

Personal Protective Equipment:

Respiratory Protection: Avoid breathing vapor and/or mist. If occupational exposure limits are exceeded wear NIOSH/OSHA approved equipment. Use a respiratory protection fitted with a combination filter A-P3 for short term use. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR 1910.134.

Skin Protection: Wear protective clothing and appropriate impervious gloves.

Eye Protection: Wear safety goggles with peripheral coverage approved to EU Standard EN 166, AS/NZS 1337. An eye wash facility should be readily available.

Hand Protection: When in contact with material, be sure to use proper gloves approved to standards (Europe: EN 374, U.S.: F739, & AS/NZS: 2161). Gloves made from neoprene, nitrile or butyl rubber may provide suitable chemical protection.

Hygiene Measures: Wash thoroughly after handling, especially before eating, drinking, smoking, or using restroom facilities.

Section 9: Physical and Chemical Properties

Physical State: Liquid
Appearance: Amber
Odor: Mild
Odor Threshold: Not Available
pH: Not Applicable
Melting Point: Not Available
Freezing Point: Not Available
Initial Boiling Point: Not Available
Boiling Range: Decompose >392° F (200° C)
Flash Point: Not Available
Evaporative Rate: Not Available
Solid Flammability: Not Available
Gas Flammability: Not Available
Upper Explosive Limit: Not Available
Lower Explosive Limit: Not Available
Vapor Pressure 68° F (20° C) : <0.01 mmHg @ 20° C
Vapor Density (Air= 1) : >1
Relative Density: 0.864
Solubility in Water: < 0.1 %
Partition Coefficient: n-octanol/water: Not Available
Auto-ignition Temperature: Not Available
Decomposition Temperature: Not Available
Viscosity at 40°C: 59.30
Viscosity at 100°C: 11.70
Percent Volatile by Volume (%):0
Evaporation Rate (Butyl Acetate=1): < 0.01
Volatile Organic Compounds (VOC) Content: None

Note: The physical data presented above are typical values and should not be construed as a specification.

Section 10: Stability and Reactivity

Reactivity: This product is non-reactive under ambient conditions
Stability: Stable under normal conditions of use. Can decompose slowly with localized heating over 300°C
Conditions to Avoid: High temperatures & a source of ignition. Toxic fumes may be released if product is heated above decomposition point.
Incompatible Materials: Strong Acids, Strong oxidizing agents, and Reducing agents
Hazardous Decomposition Products: In the event of combustion, CO and CO₂ will be formed.
Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

		Polyoxyethylene dimethyl ether	Decyloxirane	Dodecyloxirane	Tricresylphosphate
Oral LD ₅₀ mg/kg	Rat	No data available	>5,000	>5,000	No data available
Dermal LD ₅₀ mg/kg	Rabbit	No data available	No data available	No data available	No data available
Inhalation LC ₅₀ ppm	Rat	No data available	No data available	>2,000	No data available
Eye Irritation	Rabbit	No data available	Not irritating	Not irritating	No data available
Skin Irritation	Rabbit	No data available	Irritant	Irritant	No data available

*Results based on test of similar product

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Carcinogenicity:

Carcinogenicity	ACGIH	IARC	NTP	OSHA
Polyalkylene Glycol	No	No	No	No
Fluorescent Dye	No	No	No	No

Summary Comments: According to ACGIH, IARC, NTP, and OSHA, the Polyalkylene glycol nor the fluorescent dye are not considered to be a hazardous carcinogen to humans.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child

STOT-single exposure: No data available

STOT-repeated exposure:

		Polyoxyethylene dimethyl ether	Decyloxirane	Dodecyloxirane	Tricresylphosphate
Oral mg/kg	Rat	No data available	750 mg/kg bw/day	>1,000	No data available
Dermal mg/kg	Rat	No data available	No data available	No data available	No data available
Inhalation mg/l/4h	Rat	No data available	No data available	No data available	No data available

Aspiration Hazard: No

Likely Routes of Exposure: Eyes, skin and respiratory tract

Symptoms:

Eye Contact: May cause irritation

Skin Contact: May cause irritation

Inhalation: May cause respiratory irritation

Ingestion: May cause gastrointestinal irritation

Section 12: Ecological Information

Toxicity:

	Polyoxyethylene dimethyl ether	Decyloxirane	Dodecyloxirane	Tricresylphosphate
Fish LL ₅₀ 96hr mg/l	No data available	1.11	1.11	No data available
Crustacean LL ₅₀ 96hr. mg/l	No data available	0.171	0.95	No data available
Algae NOEL 72hr. mg/l	No data available	0.52	0.0336	No data available

NOEL: No observable adverse effects level

Persistence & Degradability: Readily biodegradable

Bioaccumulation Potential: No data available

Mobility in Soil: No data available

Behavior in Sewage Plants: No data available

PBT vPvB: This substance is not a PBT vPvB

Section 13: Disposal Considerations

General Statements: Federal regulations may apply to empty container. State and/or local regulations may be different.

Disposal: Recover or recycle if possible, otherwise, dispose of in accordance with all local, state, and federal regulations. Sewage disposal is discouraged

Special Instructions: Be sure to contact the appropriate government environmental agencies if further guidance is required. Do not remove labels from container until container is cleaned properly. Containers can be reused or disposed of by landfill or incineration if appropriate to local law. Water with cleaning agents is required

Hazardous Waste Number: Not a RCRA hazardous waste

Section 14: Transport Information

General Comments: This product is not classed as hazardous or regulated for transport under 49 CFR, IATA/ICAO, or IMDG

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49 CFR:

DOT Shipping Name: Not Regulated

DOT Label: Not Applicable

DOT Identification No.: Not Applicable; Nonregulated shipments by air under 49 CFR, IATA/ICAO AND IMO

Transport by Road/Rail (ADR/RID):

UN Proper Shipping Name: Not Applicable

Transport Hazard Class: Not Applicable

Packing Group: Not Applicable

Classification Code: Not Applicable

LQ (ADR 2013): Not Applicable

LQ (ADR 2009): Not Applicable

Environmental Hazard: Not Applicable

Tunnel Restriction Code: Not Applicable

Transport by Sea (IMDG):

UN Proper Shipping Name: Not Applicable

Transport Hazard Class: Not Applicable

Packing Group: Not Applicable

Marine Pollutant: Not Applicable

Environmental Hazard: Not Applicable

Transport by Air (IATA):

UN Shipping Name: Not Applicable

Transport Hazard Class: Not Applicable

Packing Group Number: Not Applicable

Environmental Hazards: Not Applicable

Special Precautions for User: Unless otherwise specified, general measures for safe transport must be followed

Transport in Bulk: Non-dangerous material according to transport regulations

Section 15: Regulatory Information

Inventory Status:

All ingredients are listed or excluded from listing on: TSCA, DSL, EINECS, PICCS, IECSC, & ENCS inventories

SARA Title III Information: This product contains no chemicals subject to the reporting requirements of Section 313 of the emergency planning and community right to know act.

SARA - Section 302-Extremely Hazardous Substances: No regulated ingredients.

SARA - Section 302-Reportable Quantity: None.

SARA - Section 311/312-Hazard Categories:

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactivity Hazard: No

Immediate (Acute) Health Hazard: Yes

Delayed (Chronic) Health Hazard: No

Section 313-Toxic Chemicals: No regulated ingredients.

State Right-To-Know: No regulated ingredients

Clean Air Act Amendments - Ozone-Depleting Chemicals: No regulated ingredients.

CONEG: This product is in compliance with CONEG (total cadmium, chromium, lead and mercury <100ppm

TSCA: The chemical components of this product are listed or excluded on the Section 8(B) Chemical Substance Inventory List (40 CFR 710).

CERCLA: No regulated ingredients.

California - California Proposition 65: This product contains no chemical(s) known to the state of California to cause cancer.

Canada - CEPA DSL/NDL: Not regulated

Section 16: Other Information

USER'S RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions (in addition to those described herein) are required. Any health hazard and safety information contained herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the users to comply with all applicable federal, state and local laws and regulations.

Version 2: Amended emergency contact details.

END OF SAFETY DATA SHEET