

### Section 1: Identification

**GHS Product Identifier:**TP1208

**Other Names:** TP1208-BJ

**Use of Product:** Leak Detection

**Description:** Fluorescent Dye for Mobile Air Conditioning Systems in R-1234yf Systems, ND 12 Based

**Company Information:**

Tracer Products, a Division of Spectronics Corporation

956 Brush Hollow Road

Westbury, New York 11590

800-641-1133

516-333-1254 (for calls originating outside continental U.S.)

[sds@tracerline.com](mailto:sds@tracerline.com)

**Emergency Contact:** US & Canada: 800-424-9300 (24 HOURS CHEMTREC)

Outside US & Canada: +1 703-741-5970 (24 HOURS CHEMTREC)

### Section 2: Hazardous Identification

**Classification of Product:**

Skin sensitisation, Category 1

Acute aquatic toxicity, Category 1

Chronic aquatic toxicity, Category 2

**Label Elements:**



**Signal Word:** Warning

**Hazard Statements:**

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements:**

Prevention:

P261 Avoid breathing mist, spray, vapors.

P273 Avoid release to the environment.

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

**Response:**

P362 + P364 Take off contaminated clothing and wash it before reuse.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P391 Collect spillage.

**Additional Labelling:**

EUH205: Contains epoxy constituents. May produce an allergic reaction

**Other hazards**

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

### Section 3: Composition

### Hazardous Ingredients:

Chemical name	CAS- No EC- No	%	Individual Classification
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.- methyl-.omega.-methoxy-	24991-61-5 680-480-1	50 - < 100	Skin Sens. 1, H317
decyloxirane	2855-19-8 220-667-3	1 - < 2	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
dodecyloxirane	3234-28-4 221-781-6	1 - < 2	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Tris(methylphenyl) phosphate	1330-78-5 215-548-8	0.1 - < 1	Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,6-di-tert-butyl-p-cresol	128-37-0 204-881-4	0.1 - < 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
tris(nonylphenyl) phosphite	26523-78-4 247-759-6	0.1 - < 1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

### 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:** Rinse mouth. Call a POISON CENTER/doctor if you feel unwell.

**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

**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.

**Unusual Fire and Hazardous Combustion and Decomposition Products:** Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.). Oxides of phosphorus, nitrogen and carbon.

**Fire and Explosion Hazards:** May liberate irritating or toxic vapors during combustion or decomposition.

**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:

# TRACER PRODUCTS

TP1208

Effective: 01/04/21

## SAFETY DATA SHEET

Page 3

Supersedes: NA

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 workday. 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.

## 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.

### **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:** No data available

**pH:** No data available

**Melting/ Freezing Point:** No data available

**Boiling Point/Boiling Range:** No data available

## SAFETY DATA SHEET

**Flash Point:** 164.5 °C  
**Evaporative Rate:** No data available  
**Solid/Gas Flammability:** No data available  
**Upper/Lower Explosive Limit:** No data available  
**Vapor Pressure 68° F (20° C):** No data available  
**Vapor Density (Air=1):** No data available  
**Relative Density:** 0.98  
**Solubility in Water:** Insoluble  
**Partition Coefficient: n-octanol/water:** No data available  
**Auto-ignition Temperature:** No data available  
**Decomposition Temperature:** No data available  
**Viscosity at 40°C:** 41.4 cSt  
**Viscosity at 100°C:** NA

### Section 10: Stability and Reactivity

**Reactivity:** This product is non-reactive under ambient conditions  
**Stability:** Stable under normal conditions of use.  
**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 CO<sub>2</sub> will be formed.  
**Hazardous Polymerization:** Will not occur

### Section 11: Toxicological Information

**Carcinogenicity:** According to ACGIH, IARC, NTP, and OSHA, this product is not a hazardous carcinogen to humans.  
**Sensitization:** This product may cause an allergic skin reaction.  
**STOT-single exposure:** This product is not classified as a specific organ toxicant  
**STOT-repeated exposure:** This product is not classified as a specific organ toxicant  
**Germ cell mutagenicity:** This product is not suspected of causing genetic defects.  
**Aspiration Hazard:** This product is not classified as an aspiration hazard  
**Likely Routes of Exposure:** Eyes, skin and respiratory tract  
**Symptoms:**  
Eye Contact: May cause mild irritation  
Skin Contact: May cause mild irritation  
Inhalation: May cause mild irritation  
Ingestion: May cause mild irritation

### Section 12: Ecological Information

#### Toxicity:

	2,6-di-tert-butyl-p-cresol	decyloxirane	dodecyloxirane	Tris(methylphenyl) phosphate	tris(nonylphenyl)
Fish LC <sub>50</sub> 96hr	> 0.5 mg/l	NA	NA	0.21 - 0.32 mg/l	NA
Invertebrates EC <sub>50</sub> 48hr	0.48 mg/l	0.171 mg/l	NA	NA	0.42 mg/l
Algae NOEL 72hr	NA	0.056 mg/l	0.002 mg/l	NA	0.002 mg/l

**Persistence & Degradability:** Not readily biodegradable

	decyloxirane	dodecyloxirane	Tris(methylphenyl) phosphate
<b>Bioaccumulation Potential:</b>			
Log Pow	5.9 @ 25 °C	5.9 @ 25 °C	5.11 @ 25 °C

Persistence and degradability			
Biodegradation	60 - 70 % 28 d (OECD 301 B)	>= 60 - 70 % (OECD 301 B)	NA

**Mobility in Soil:** No data available

### 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. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Hazardous Waste Number:** Not a RCRA hazardous waste

### Section 14: Transportation

**49 CFR:**

**DOT Shipping Name:** Environmentally hazardous substance, liquid, n.o.s. (Decyloxirane ; Dodecyloxirane)

**Transport Hazard Class:** 9

**DOT Identification No.:** 90

**Packing Group:** III

**DOT Label:** 9

**Special Provisions:** 8, 146, 173, 335, IB3, T4, TP1, TP29

**Exceptions:** 155

**Non-Bulk:** 203

**Bulk:** 241

**Quantity Limits:** No limit

**Transport by Road/Rail (ADR/RID):**

**Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s. (Decyloxirane ; Dodecyloxirane)

**UN Identification No.:** UN 3082

**Transport Hazard Class:** 9

**Packing Group:** III

**Classification Code:** M6

**Environmental Hazard:** Yes

**Tunnel Restriction Code:** (E)

**Transport by Sea (IMDG):**

**Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s. (Decyloxirane ; Dodecyloxirane)

**UN Identification No.:** UN 3082

**Transport Hazard Class:** 9

**Packing Group:** III

**EmS:** F-A, S-F

**Marine Pollutant:** Yes

**Environmental Hazard:** Yes

**Transport by Air (IATA):**

**Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s. (Decyloxirane ; Dodecyloxirane)

**UN Identification No.:** UN 3082

# TRACER PRODUCTS

TP1208

Effective: 01/04/21

## SAFETY DATA SHEET

Page 6

Supersedes: NA

**Transport Hazard Class:** 9**Packing Group:** III**Packing Instruction:** 964**Environmental Hazard:** Yes**Special Precautions for User:** Unless otherwise specified, general measures for safe transport must be followed**Transport in Bulk:** Not Applicable

### Section 15: Regulatory Information

#### Inventory Status:

Inventory	Status
U.S. TSCA Inventory	Listed
Canadian Domestic Substances List (DSL)	Listed or Exempt
Australian Inventory of Chemical Substances (AICS)	One or more ingredients not listed
European Inventory of Existing Commercial Chemical Substances (EINECS)	Listed
Japan Inventory of Existing and New Substances (ENCS)	One or more ingredients not listed
Korea Existing Chemical Inventory (KECI)	One or more ingredients not listed
China Inventory of Existing Chemical Substances (IECSC)	One or more ingredients not listed
Philippine Inventory of Chemicals (PICCS)	One or more ingredients not listed

**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

**CERCLA:** No regulated ingredients.

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

### 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

# TRACER PRODUCTS

TP1208

Effective: 01/04/21

## SAFETY DATA SHEET

Page 7

Supersedes: NA

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.

**END OF SAFETY DATA SHEET**