

TMA-DPH

MATERIAL SAFETY AND DATA SHEET

| Section 1 Chemical Product and Company Identification | |
|---|---|
| Name | TMA-DPH Cat.# FP-35147B |
| Synonyms (CAS, chemical names, tradename, abbreviates...) | [1,6-Diphenyl-1,3,5-hexatriene-4'-trimethylammonium tosylate 4'-(Trimethylammonio)diphenylhexatriene p-toluenesulfonate 1-(4-Trimethylammoniophenyl)-6-phenyl- 1,3,5-hexatrienep-toluenesulfonate |
| Company identification | INTERCHIM -FLUOPROBES 213 J.F.Kennedy, 03100 Montluçon (FRANCE) Tel. :+33 (0)4 70 03 88 55 Fax: +33 (0)4 70 03 82 60 e-mail: uptima@interchim.com |
| In case of Emergency | In Europe: Call INTERCHIM Tel.: +33 4 70 03 88 55 out of office: Centre anti Poisons de Lyon Tel.: +33 4 72 11 69 11 In US: call CHEMTREC Tel.: 800;424;9300 |

| Section 2 Composition, Information on ingredients | |
|---|--|
| Name | N,N,N-Trimethyl- 4 -(6-phenyl-1,3,5-hexatrien-1-yl) phenylammonium p-toluenesulfonate CAS N°115534-33-3 Mol. Formula : C28H31NO3S Mol. Weight: 461.62 g/mol |

| Section 3 Hazards Identification | |
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| Emergency Overview | Caution--The toxicological properties of this material have not been thoroughly investigated. May be harmful if swallowed, inhaled or absorbed through skin. May cause eye and skin irritation. Handle with caution. |
| Health effects (Routes of entry/ Eye, Skin, Ingestion, Inhalation) | Chronic: Not available Eye: May cause eye irritation. Skin : May cause skin irritation. Ingestion: Not available. Inhalation: Not available. Target Organs: Not available. |

| Section 4 First aid Measures | |
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| General measures | Product is potentially harmful. Avoid prolonged exposure or repeated exposure. Wear protective clothing |
| Emergency first measures (Eyes, Skin, Ingestion, Inhalation...) | If eye or skin contact occurs, wash affected area with water for 15 minutes and seek medical advice. If product is inhaled, move individual to fresh air. If breathing becomes difficult, seek medical advice. If swallowed, rinse mouth out with water provided the person is conscious and seek medical advice. |

| Section 5 Fire Fighting Measures | |
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| General information | As in any fire, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.. |
| Extinguishing media | In case of fire use water spray, carbon dioxide, dry chemical powder or appropriate foam. Autoignition Temp. Not available. Flash Point Not available. |

MSDS-35147B

| Section 6 Accidental Release Measures | |
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| General information | Use appropriate protective equipment and methods to clean up spilled substances promptly. |
| Spills and Leaks | Absorb spills with a appropriate material. Collect and dispose of all waste in accordance with applicable laws. |

| Section 7 Handling and Storage | |
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| Handling | Avoid ingestion and inhalation. Do not breathe dust. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. |
| Storage | Keep container tightly closed when not in use. Store at room temperature. Protect from moisture and light. |

| Section 8 Exposure Controls, Personal Protection | |
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| Personal protection (eyes, hands, body, respiratory...) | Use adequate ventilation to keep airborne concentrations low. Safety shower and eye bath. Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear compatible chemical-resistant gloves and clothing to prevent skin exposure. Hand: Wear compatible chemical-resistant gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent exposure. Respirator: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary. |
| Exposure limits | Not available. |

| Section 9 Physical and Chemical Properties | |
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| Physical state (Appearance, odor, color) | Solid No characteristic odor. |
| Other (pH, Melting/Freezing Point, Vapor Pressure, Vapor Density, Volatility, Boiling Point, Viscosity, Flash point, Auto-ignition temperature, Explosion limits (low.Upp.), Specific Gravity / Density, Molecular Formula /MW) | pH: Not available. Boiling Point: Does not apply. Melting Point: Not available. Flash Point: Not available. Vapor Pressure: Does not apply. Specific Gravity/Density: Does not apply. Solubility in water: Slightly. Solubility other: DMF, DMSO, methanol |

| Section 10 Stability and Reactivity | |
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| Thermal Decomposition/Stability | Stable |
| Hazardous Decomposition Products | No decomposition if used according to specifications |
| Hazardous Reactions/Polymerization | Avoid moisture and strong oxidizing agents. Polymerization will not occur. |

| Section 11 Toxicological Information | |
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| Toxicity | RTECS Number: None known LD50/LC50: None known |
| Chronic effects (carcinogenicity, teratogenicity, reproductive toxicity, mutagenesis) | Carcinogenity: None known (Not listed by NTP, IARC or OSHA) Epidemiology: None known Teratogen: None known Neurotoxicity: None known |

MSDS-35147B

| Section 12 Ecological Information | |
|---|---|
| Ecotoxicity (BOD5, COD.....; Biodegradation; Mobility) | Do not allow product to reach ground water, water course, or sewage system. |
| Section 13 Disposal Considerations | |
| Waste | Observe all federal, state, and local environmental regulations for proper disposal. |
| Section 14 Transport Information | |
| Proper Shipping Name | Not determined |
| Hazards Class | Not determined or This substance is considered to be non-hazardous for transport |
| Identification Number | Not determined |
| Packing Group | Not classified |
| Section 15 Regulatory Information | |
| Classification | US Toxic Substances Control Act (TSCA) Not listed Other US Info Not available EEC EINECS Number Not identified EEC Risk Statements / other Not determined / none |
| Section 16 Additional Information | |
| MSDS validation | InterBioTech/ FLUOPROBES-INTERCHIM, J08vb |
| Comment | <i>The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages</i> |