

Pro-tex™
Material Safety Data Sheet

Date Prepared: May 9, 2011

Date Revised:

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| 1. Identification of the Substance and the Company | |
| Substance: | 25% Denatonium Benzoate in Propylene Glycol Solution |
| CAS#: | Denatonium Benzoate: 3734-33-6 Propylene Glycol: 57-55-6 |
| Supplier: | Aversion Technologies, Inc 12220 Maycheck Lane Bowie, Maryland 20715 USA |
| Telephone: | +1-202-657-6300 |
| Emergency: | +1-202-365-9001 |
| Web Address: | www.aversiontech.com |
| 2. Composition: | |
| Substance: | Denatonium Benzoate 25% |
| Content %: | Propylene Glycol 75% 99.5% |
| 3. Hazard Identification | |
| Emergency Overview: | EXTREMELY BITTER. In confined area vapours may cause irritation. |
| Inhalation: | May cause mild to severe irritation to upper respiratory track. |
| Skin: | May cause mild to severe irritation/redness. |
| Eye: | May cause mild to severe irritation/redness. |
| Ingestion: | Data Not Available. Safe to assume irritation, nausea, vomiting may occur. |
| 4. First Aid Measures | |
| Inhalation: | Remove from exposure immediately, and introduce to fresh air. |
| Skin: | Remove contaminated clothing. Wash exposed areas immediately and thoroughly with mild soap and water. |
| Eye: | Do not rub eyes. Flush thoroughly with water. If irritation persists consult doctor. |
| Ingestion: | If possible spit out, and clean mouth. Do not induce vomiting. Seek immediate medical help. |
| 5. Fire Fighting Measures | |
| Flash Point: | Above 99 °C |
| Flammability Limits: | IEL : N.A. UEL : N.A. |
| Extinguishing Media: | CO2, Dry Chemicals, Foam |
| Fire Fighting Procedures: | During emergency conditions, exposure to thermal decomposition/combustion products may be hazardous. Approved self-contained, fully covered breathing apparatus must be used. |
| Usual Fire and Explosion Hazard: | When exposed to excessive heat and open flames, will emit irritant fumes and/or smoke. No explosive hazards are expected. |
| 6. Accidental Release Measures | |
| In Case of Spillage or Leakage: | Handle in area suitable for containment of spills. Mop up with proper equipment. Avoid release to sewers or environment. Place recovered material in properly marked containers for disposal. |
| 7. Handling and Storage | |
| Precautions: | Avoid prolonged breathing of vapors. Avoid prolonged/repeated dermal exposure. Use in areas with adequate ventilation. Keep from excessive heat, sources of fire or sparks. |
| Storage: | Keep away from extremely hot areas, and keep containers sealed. Do not leave in open or semi-open condition. |
| 8. Exposure Controls/Personal Protection | |
| Skin | Use appropriate clothing/ impermeable gloves etc to prevent exposure. |
| Ventilation | Maintain adequate flow of fresh air to maintain exposure levels minimal. |
| Respiration | If adequate ventilation not possible, use approved respiratory protection equipment. |
| Eye | Approved goggles to be used at all times. |
| 9. Physical and chemical properties | |
| Appearance | Clear white with faint yellow or blue tinged liquid |
| Odor | Bitter |
| Freezing Pt | Below - 50 °C |
| Initial BP | Above 180 °C |
| Vap. Pres | NA |
| 10. Stability and reactivity | |
| Materials to Avoid | None known. |
| Conditions to Avoid | None known. |
| Hazardous Decomposition Products | Normal hydrocarbon combustion products, CO, CO2, NOx |
| 11. Toxicology information | |
| Oral LD50: | >20 grams/kg (Rat oral) |
| Inhalation: | No information available |
| Dermal: | No information available |
| 12. Ecological Information | |
| Does not bio-accumulate | |
| LC50 Rainbow Trout: | >1000 mg/l 96 hrs in fresh water |
| LC50 Shrimp: | 400 mg/l 96 hrs in salt water |
| 13. Disposal Considerations | |
| Disposal Methods: | Do not discharge into drains or the environment; dispose to authorized chemical waste collection point. |
| 14. Transport information | |
| General: | Not hazardous for transport |
| TSCA 8(b) inventory: | Components of this product are on the TSCA inventory |
| IATA/ICAO: | This material is not classified as dangerous |
| 15. Regulatory Information | |
| Risk Phrases: | R22 Harmful if swallowed |
| Safety Phrases: | S2 Keep out of reach of children S24 Avoid contact with skin S37 Wear suitable gloves |
| | S13 Keep away from food and drink S36 Wear suitable protective clothing S46 If swallowed seek medical advice immediately |
| 16. Other Information | |
| DISCLAIMER: Every effort has been made to ensure that this information is accurate and up to date. Users are reminded that they should ensure that they have retained or internally circulated the most up to date copy as provided to the persons or work locations which require them. No warranty is implied or given as to suitability for use for any activity that is not covered by either the technical data sheet or restrictions of use as above. | |