

Repela[®] PG/N

Material Safety Data Sheet

Date Prepared: November 15, 2010

Date Revised: N/A

1. Identification of the Substance and the Company	
Substance:	Repela
CAS#:	N/A
Chemical Name:	Not available
Chemical Formula:	Proprietary mixture
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. Compositions and Information on Ingredients	
Substances:	Repela N in Propylene Glycol (proprietary product)
Content %:	100%
3. Hazard Identification	
HEALTH=1 FIRE=1 REACTIVITY=0	
EMERGENCY OVERVIEW	
Color	Yellow to yellow-brown
Physical Description	Liquid
Odor	Mildly sweet odor
Major Health Hazards	No known significant health effects
Physical Hazards	No information is available
POTENTIAL HEALTH EFFECTS	
Inhalation	Short-term: May cause irritation to upper respiratory tract Long-term: No information is available
Skin Contact	Short-term: May cause mild irritation/redness Long-term: No information is available
Eye Contact	Short-term: May cause irritation/redness Long-term: No information is available
Ingestion	Short-term: Data not available. Safe to Assume irritation, nausea, vomiting may occur Long-term: No information is available
4. First Aid Measures	
Inhalation	Remove from exposure immediately and introduce to fresh air
Skin	Remove contaminated clothing immediately. Wash with soap or mild detergent and large amounts of water
Eye	DO NOT RUB EYES. Flush immediately with plenty of gently flowing clean water, occasionally lifting eye-lids
Ingestion	If possible, spit out and clean mouth. Do not induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration. Get immediate medical attention
5. Fire Fighting Measures	
Fire & Explosion Hazard	Flash point: >116°C
Extinguishing Media	Regular dry chemical, carbon dioxide, water, regular foam For large fires use regular foam or flood with fine water spray. Do not use water jet
Fire Fighting	During emergency conditions, exposure to thermal decomposition/combustion bi-products may be hazardous. Approved self-contained, fully covered breathing apparatus must be used
Unusual Fire 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	
Occupational Release	Handle in area suitable for containment of spills. Isolate hazard area and deny entry. Mop up with proper equipment. Avoid release to sewers or environment. Place recovered material in properly marked containers for disposal.

7. Handling and Storage	
Usage Precautions	Avoid prolonged breathing of vapors. Avoid prolonged/ repeated dermal exposure. Use in areas with adequate ventilation
Storage	Keep away from extremely hot areas, and keep containers sealed. Do not leave in open or semi-open condition
8. Exposure Controls and Personal Protection	
Skin	Use appropriate clothing/impermeable gloves, etc. to prevent exposure
Ventilation	Maintain adequate flow of fresh air to minimize exposure levels
Respiration	If adequate ventilation is not possible, use approved respiratory protection equipment
Eye Protection	Wear splash-resistant safety glasses at all times
9. Physical and chemical properties	
Appearance	Yellow to yellow-brown liquid
Color	Yellow to yellow-brown
Odor	Slightly sweet odor
Specific Gravity	1.1 to 1.2
Solubility in Water	Miscible
Auto-Ignition Temperature	> 400°C
Freezing Point	Below -10°C
Flash Point	> 200°C
Boiling Point	> 190°C
Vapor Pressure	0.07-0.08 mm Hg
Substances:	Propane-1,2-diol; phenylmethyl-[2- [(2,6-dimethylphenyl)amino]- 2-oxoethyl]-diethylammonium benzoate; N-[(4-hydroxy-3-methoxyphenyl)methyl]nonanamide
Chemical Family:	Polymers, organic compounds, vanilloid
Purity:	> 97%
Stability:	Product is thermally stable up to 190°C
10. Stability and reactivity	
Reactivity	Stable at normal temperatures and pressures
Materials to Avoid	None known
Conditions to Avoid	None known
Hazardous Decomposition	Normal hydrocarbon combustion products, CO, CO2, NOx
11. Toxicology information	
Ingestion	Oral LD ₅₀ approximately 4700 mg/kg Rat oral
Inhalation	No effects reported
Skin Contact	No data available
Eye Contact	No data available
12. Ecological Information	
Do not discharge into drains or the environment. Dispose to authorized chemical waste collection point.	
13. Disposal Considerations	
Incinerate in authorized facility or dispose of in accordance with local regulations.	
14. Transport information	
General:	Not hazardous for transport
TSCA 8(b) inventory:	No
UN No:	N/A
Tariff No :	2924.2995
IATA/ICAO:	This material is not classified as dangerous
Classification	Not Hazardous for Transport.
15. Regulatory Information	
Label for Supply :	Xn
Risk Phrases:	R20 Harmful by inhalation R22 Harmful if swallowed
Safety Phrases:	S2 Keep out of reach of children S13 Keep away from food and drink S36 Wear suitable protective clothing S37 Wear suitable gloves S46 If swallowed, seek medical advice immediately
16. Other Information	
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