

## Repela™ Safety Data Sheet

<b>Section 1 – Identification</b>	
<b>Product Identifier:</b>	<b>Repela® for Rodents, Repela® for Insects, Repela® Combi</b>
Manufacturer:	Aversion Technologies, Inc. 1125 West Street, Suite 328 Annapolis, Maryland 21401 USA +1-202-657-6300
Emergency telephone number:	<b>+1-202-365-9001</b>
Product form:	Pellets
Intended use:	Masterbatch additives
Restriction on use:	None
<b>Section 2 – Hazard(s) Identification</b>	
Inhalation:	May cause slight irritation to the respiratory system if dust or smoke is inhaled.
Ingestion:	May cause mild irritation/redness.
Eye contact:	May cause irritation/redness.
Skin contact:	Likely to cause irritation, nausea, vomiting.
<b>Section 3 – Composition/information on ingredients</b>	
Composition:	75-97% Ethylene-Vinyl Acetate Copolymer (CAS# 24937-78-8) 3-25% active ingredients
<b>Section 4 – First aid measures</b>	
Inhalation:	Remove from exposure. Introduce to fresh air.
Ingestion:	If possible, spit out and rinse mouth. Do not induce vomiting
Eye contact:	Do not rub eyes. Flush thoroughly with water. If irritation persists, consult doctor.
Skin contact:	Wash exposed areas with mild soap and water.
<b>Section 5 – Fire fighting measures</b>	
Suitable extinguishing media:	Dry chemical, CO <sub>2</sub> , water spray, regular foam.
Unsuitable extinguishing media:	In case of major fire and large quantities use regular extinguishing agent, fine water spray. Move containers from fire area if you can do so without risk.
Special Fire Fighting Procedures:	Avoid inhalation of the substance or combustion products. Stay upwind. Keep out of low areas.
Specific hazards arising from the chemical:	Thermal decomposition products: CO, CO <sub>2</sub> , aldehyde, organic acid, and alcohol. Fires and an explosion: some may burn but none ignite readily.
Tank/trailer/train truck fires:	Do not get water inside containers. Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. ALWAYS stay away from tanks engulfed in flames.
<b>Section 6 – Accidental release measures</b>	
Personal precautions, protective equipment and emergency procedures:	Use eye protection and gloves when handling pellets.
Environmental precautions and protective procedures:	No special precautions are necessary.
Waste disposal:	Reclaim or dispose of in accordance with local, state, and federal regulations.
<b>Section 7 – Handling and storage</b>	
Precautions:	Avoid prolonged breathing of dust. Avoid prolonged/repeated dermal exposure. Use in areas with adequate ventilation. Keep from excessive heat sources of fire or sparks.
Storage:	Store in cool dry place. Keep away from extremely hot areas and keep containers sealed. Do not leave in open or semi-open condition.
<b>Section 8 – Exposure controls/personal protection</b>	
Occupational Exposure Limits:	ACGIH: Total dust TWA = 15 mg/m <sup>3</sup> (8-hr day), TWA = 5 mg/m <sup>3</sup> (8-hr day, respirable fraction) OSHA: Total dust TWA = 10 mg/m <sup>3</sup> (8-hr day, inhalable fraction), TWA = 3 mg/m <sup>3</sup> (8-hr day, respirable fraction) NIOSH: Not available Biological exposure index: Not available EU Regulation: Not available
Appropriate engineering controls:	Provide local exhaust ventilation system or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Check legal suitability of exposure level.
Respiratory Protection:	Respiratory protection: Wear NIOSH or European Standard EN 149 approved full or half face piece (with goggles) respiratory protective equipment.
Protective Gloves:	Wear appropriate chemical-resistant gloves that protect chemicals directly
Eye Protection:	An eye wash unit and safety shower station should be available nearby work place. Wear face piece with goggles to protect from scattering toxic substance.
Skin and Body Protection:	Wear appropriate protective chemical-resistant clothing.

<b>Section 9 – Physical and chemical properties</b>	
Physical State:	Solid pellets
Color:	Off-White to Orange
Odor:	Mild
Melting Point:	85-90°C
Specific Gravity:	0.8-0.9
Processing Temperature:	120-180°C
Chemical Family:	Polymers of vinyl acetate
Substances:	Ethylene-vinyl acetate copolymers with a 5% mixture of proprietary actives
<b>Section 10 – Stability and reactivity</b>	
Stability:	Stable under normal temperatures and pressures.
Incompatibility (Materials to Avoid):	Strong oxidizing agents such as nitrates , chlorates, peroxides.
Conditions to Avoid:	Avoid heat, sparks, flames and other sources of ignition. Avoid contact with prohibited mixture materials. Avoid release to the environment.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products:	May cause methane, propane, carbon oxide, aldehyde and other organic vapors when thermal decomposition occurs.
<b>Section 11 – Toxicological information</b>	
Acute oral toxicity LD50 rat:	Non toxic
Dermal LD50 rabbit:	Minor skin irritation
Acute inhalation toxicity:	No data available
Skin irritation:	Minor skin irritation
Eye irritation (rabbit):	Irritating to the eye
Sensitization (guinea pig):	No data available
Genotoxicity and Reproductive Effects:	No data available
Ames test:	
Specific target organ toxicity - single exposure:	No data available
Specific target organ toxicity - repeated exposure:	No data available.
Aspiration hazard:	
Additional information:	No information available
Further data:	Handle using good occupational and environmental health practices.
<b>Section 12 – Ecological Information</b>	
Biodegradation	Difficult to biodegrade
Recycle	Can be recycled with appropriate technologies.
<b>Section 13 – Disposal Considerations</b>	
Disposal	Incinerate in authorized facility or dispose of in accordance with local regulations
<b>Section 14 – Transport information</b>	
General:	Not hazardous for transport
TSCA 8(b) inventory:	Yes
UN No:	N/A
Tariff No :	3901.3020
IATA/ICAO:	This material is not classified as dangerous
Classification:	Not Hazardous for transport
<b>Section 15 – Regulatory Information</b>	
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
<b>Section 16 – Other Information</b>	
<b>DISCLAIMER:</b> 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 that 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.	