



Capsicum Oleoresin Safety Data Sheet

Section 1 - Identification	
Product Identifier: Manufacturer:	Capsicum Oleoresin Aversion Technologies, Inc. 1125 West Street, Suite 328 Annapolis, Maryland 21401 USA +1-202-657-6300
Emergency Telephone Number:	+1-202-365-9001
Product Form:	Oil
Intended Use:	Food additive, animal repellent
Restriction on Use:	None
Section 2 – Hazard(s) Identification	
2.1 Hazard Classification:	Eye effects, Category 1 Skin Corrosion / Irritation, Category 3 Acute Oral Toxicity, Category 5
2.2 Signal Word:	Danger 
2.3 Hazard Statement(s):	Not hazardous under normal conditions. Heated vapors are Irritating to mouth, throat and lungs. Hazardous in case of ingestion. Hazardous in case of eye contact (irritant) characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Section 3 – Composition/Information on Ingredients	
3.1 Common Name:	Capsicum Oleoresin
3.2 CAS#:	8023-77-6
3.3 Composition:	3.3% - 50% Capsicum Oleoresin
Section 4 – First Aid Measures	
Eye Contact:	Check for and remove any contact lenses. Immediately flush eyes with running water, keeping eyelids open. Cold water may be used. Do not use an eye ointment.
Skin Contact:	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation:	Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.
Ingestion:	Do not induce vomiting. Administer milk products to lessen burning sensation. Loosen tight clothing such as a collar, tie, belt or waistband.
Section 5 – Fire Fighting Measures	
Suitable extinguishing media:	Use DRY chemical powder.
Unsuitable extinguishing media:	Do not use water jet.
Fire Fighting Media and Instructions:	Vapors are irritating. Eye protection and respirator are required.
Specific hazards arising from the chemical:	Avoid inhalation of the substance or combustion products. Stay upwind. Keep out of low areas.
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.
Section 6 – Accidental Release Measures	
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.
Section 7 – Handling and Storage	
Precautions:	Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
Storage:	Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.
Section 8 – Exposure Controls	
Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection:	Splash goggles, lab coat, respirator, and gloves. Be sure to use an approved/certified respirator or equivalent.

Personal Protection in Case of a Large Spill:	Splash goggles, full suit, dust respirator, boots, and gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits:	Not available.
Section 9 – Physical and Chemical Properties	
Physical state and appearance:	Viscous Oil
Odor:	Strong distinctive odor
Taste:	Burning sensation
Molecular Weight:	305.41 g/mol
Color:	Red or Red-Brown Viscous Oil
pH:	5.7 – 6
Melting Point:	Not applicable
Flash point:	> 145°C
Specific Gravity:	Not available
Decomposition Temperature:	> 110°C
Solubility:	Easily soluble in methanol, diethyl ether. Insoluble in water
Section 10 – Stability and Reactivity	
Stability:	The product is stable under normal temperatures and pressures
Incompatibility (Materials to avoid):	Reactive with oxidizing agents
Conditions to Avoid:	Excess heat, open flame, sources of ignition
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products:	None known
Section 11 – Toxicological Information	
Acute oral toxicity LD50 rat:	Oral toxicity (LD50): >3000 mg/kg (Rat)
Dermal LD50 rabbit:	Dermal toxicity (LD50): >2500 mg/kg (Rabbit)
Acute inhalation toxicity:	Inhalation (LD50): > 10,000 g/m ³
Skin irritation:	Very hazardous in case of skin contact (irritant)
Eye irritation (rabbit):	Very hazardous in case of eye contact (irritant)
Sensitization (guinea pig):	No data available
Genotoxicity and Reproductive Effects:	No data available
Ames test:	No data available
Specific target organ toxicity - single exposure:	No data available
Specific target organ toxicity - repeated exposure:	No data available
Aspiration hazard:	No data available
Additional information:	No information available
Further data:	Handle using good occupational and environmental health practices.
Section 12 – Ecological Information	
Biodegradation:	Difficult to biodegrade.
Recycle:	Can be recycled with appropriate technologies.
Section 13 – Disposal Considerations	
Disposal Methods:	Incinerate in authorized facility or dispose of in accordance with local regulations
Section 14 – Transport Information	
General:	Not hazardous for transport
TSCA 8(b) inventory:	Yes
UN No:	N/A
Tariff No:	1301.9009
IATA/CAO:	This material is not classified as dangerous
Classification:	Not Hazardous for transport
Section 15 – Regulatory Information	
Label for Supply:	
Risk Phrases:	R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
Safety Phrases:	S2 - Keep out of the reach of children. S3 - Keep in a cool place
Section 16 – Other Information	
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