

MATERIAL SAFETY DATA SHEET

BIRD SHIELD® REPELLENT CONCENTRATE

Bird Shield Repellent Corporation
P.O. Box 785
Pullman, Washington 99163-0785
U.S.A.

EPA Reg. No. 66550-1
EPA Est. No. 44616-MO-001
Net Wt. 128 Fl. Oz/Gal
U.S. Patent No. 5, 296,226

EMERGENCY TELEPHONE NO'S.

509-338-0582 OR NATIONAL PESTICIDE TELECOMMUNICATIONS NETWORK 1-800-858-7378

SECTION I

Chemical Name	Methyl anthranilate 2-Aminobenzoic acid methyl ester
Trade Name	Bird Shield Repellent
Chemical Family	Aromatic acid ester + inert ingredients 26.4% methyl anthranilate 73.6% inert ingredients
CAS Registry No.	134-20-3
DOT Shipping Classification	Chemicals, NOI (not regulated)
GRAS Registry No.	USFDA 21 CFR 182-10 No. 2682
TPIN	1998E061868

SECTION II HAZARDOUS INGREDIENTS

Material	Methyl anthranilate (26.4%), Unassigned TLV (units)
CERCLA Ratings (Scale 0-3)	Health=2, Fire=1, Reactivity=O, Persistence=1
NFPA Ratings (Scale 0-4)	Health=O, Fire=1, Reactivity=O

SECTION III PHYSICAL DATA

Boiling Point, 760 mm. Hg	382+°F (210+°C)
Freezing point	32°F (0°C)
Specific gravity	1.043
Vapor Pressure	<1 mm Hg
Vapor Density	No data found
Solubility in Water	Complete
Other Solvents	Isopropyl alcohol, methanol, ethanol
% Volatiles by Volume	25% maximum
Evaporation Rate	100% in 10 days under direct ultraviolet light (sunlight)
Appearance and Odor	Greenish or pinkish white, or brownish white liquid, without color streaks when properly mixed. Yellowish crystals forming below 10°C. Strong grape-like or flowery odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point	212+°C
Autoignition Temperature	No data found
Flammability Limits in Air	No data found
Extinguishing Media	Carbon dioxide, dry chemicals, foam.
Special Fire Fighting Procedures	Full protective equipment including self-contained breathing apparatus. Carbon dioxide, dry chemical or foam preferred followed by fog nozzles.
Unusual Fire & Explosion Hazards	Slight fire hazard when exposed to open flame. Closed containers may explode when exposed to extreme heat.

SECTION V HEALTH HAZARD DATA

Threshold Limit Value Effects of overexposure	None established by OSHA, ACGIH or NOISH Skin and eye irritation. Other toxic effects unknown. Methyl anthranilate is classified as a Generally Recognized as Safe (GRAS) compound under 21 CFR 182-60.
Emergency and First Aid Procedures	IF INHALED: Remove from exposure. Restore breathing. Keep warm and quiet. IF ON SKIN: Wash affected area thoroughly with soap and water. IF IN EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting. Do not induce vomiting or give anything by mouth to an unconscious person.
Toxicity Data	Oral LD ₅₀ : Rat = 3000 mg/Kg; Mouse = 3900 mg/Kg; Guinea pig = 2780 mg/Kg. 24 hour skin: Rabbit = Moderate. Reproductive effects (RTECS), Tumerigenic (RTECS), Carcinogen - None.

SECTION VI REACTIVE DATA

Stability	Breaks down under ultraviolet light.
Incompatibility	Oxidizing agents.
Hazardous Decomposition Products	BY FIRE: Carbon dioxide, carbon monoxide and oxides of nitrogen.
Hazardous polymerization	Will not occur.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be Taken in Case the Material is Spilled or Released	Collect the material for reclamation or place in a covered waste disposal container.
Waste Disposal Method	Landfill, incinerate in approved facility or expose to ultraviolet (UV) light or sunlight until all odor dissipates. Do not incinerate closed container. Dispose of in accordance with federal, state and local regulations regarding pollution.

SECTION VIII SPECIAL PROTECTIVE INFORMATION

Respiratory Protection	Use a respirator (MISHA)/NIOSH approval number TC-21C) approved for organic vapors, fumes and mists in areas laden with vapor.
Ventilation	Mix in well ventilated area (local exhaust preferable, general exhaust acceptable) or in the out-of-doors.
Protective Clothing	Rubber gloves.
Eye Protection	Safety glasses or goggles with unperforated side shields.
Other Protective Equipment	Safety shower, eye wash. Wash skin and clothing thoroughly with soap and warm water after handling or contamination.

SECTION VIX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storage:	Do not store near open flames or oxidizing agents. Do not store at temperatures below 50°F (10°C) or above 110°F (43°C).
Other Precautions	Avoid excessive exposure. Do not take internally.

The information contained herein is based on the data available to us and is believed to be correct as of the date prepared. The manufacturer, however, makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. 12/99