

# **MATERIAL SAFETY DATA SHEET**

## ***BIRD SHIELD® REPELLENT CONCENTRATE***

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

/ HMIS Hazard Classification  
/Health = 1  
/Flammability = 1  
/Reactivity = 0

EMERGENCY TELEPHONE NO.  
509/339.5740

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<b>SECTION 1</b>	<b>PRODUCT INFORMATION</b>
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
CAS Registry No.	134-20-3
Other	73.6% inert ingredients (U.S.D.A. G.R.A.S.)
GRAS Registry No.	USFDA 21 CFR 182-10 No. 2682
TPIN	1998E061868
DOT Shipping Classification	Chemicals, NOI (not regulated)

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<b>SECTION II</b>	<b>COMPOSITION OR INFORMATION ON INGREDIENTS</b>
<b>Product and/or components carcinogenicity according to OSHA, LARC, NTP or Other: NO</b>	

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<b>SECTION III</b>	<b>HAZARDOUS INGREDIENTS</b>
Material	Methyl anthranilate (26.4%), Unassigned TLV (units)
CERCLA Ratings (Scale 0-3)	Health=2, Fire=1, Reactivity=0, Persistence=1
NFPA Ratings (Scale 0-4)	Health=0, Fire=1, Reactivity=0
Potential Health Effects	None Known
Primary Routes of Exposure	Eyes, skin
Effects of Exposure	May be irritating to the skin and eyes. Prolonged contact, as with clothing wetted with material, may cause slight irritation. Vapor or mist, in excess of permissible concentration or in unusually high concentration generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause throat and nose irritation, headache, nausea and drowsiness.

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<b>SECTION IV</b>	<b>EMERGENCY FIRST AID PROCEDURES</b>
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF INHALED:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center for further treatment advice.

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**SECTION V FIRE AND EXPLOSION HAZARD DATA**

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Flash Point	212+ <sup>o</sup> 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.
Hazardous Combustion Products	Carbon dioxide, carbon monoxide, fumes
Hazardous Polymerizations	None occurs.

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**SECTION VI ACCIDENTIAL RELEASE MEASURES**

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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 contaminat

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**SECTION VII HANDLING AND STORAGE**

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Precautions to be Taken in Handling	Avoid breathing vapors. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.
Precautions to be Taken in Storage	Do not store near open flames or oxidizing agents. Do not store at temperatures below 50 <sup>o</sup> F (10 <sup>o</sup> C) or above 110 <sup>o</sup> F (43 <sup>o</sup> C
Other Precautions	Avoid excessive exposure. Do not take internally.

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**SECTION VIII EXPOSURE CONTROL AND PROTECTION INFORMAION**

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Threshold Limit Value (TLV)	Not established
OSHA Permissible Exposure Limit (PEL)	Not established
Respiratory Protection	Usually not required
Ventilation: Mechanical (General)	Meeting ACGIS standards
Protective Gloves	Rubber gloves
Eye Protection	Safety glasses
Other Protective Equipment	Safety shower, eye wash

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**SECTION IX PHYSICAL AND CHEMICAL PROPERTIES**

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Boiling Point, 760 mm. Hg	382+ <sup>o</sup> F (210+ <sup>o</sup> C)
Freezing point	32 <sup>o</sup> F (0 <sup>o</sup> 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 <sup>o</sup> C. Strong grape-like or flowery odor.

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**SECTION X STABILITY AND REACTIVITY**

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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.

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**SECTION XI TOXICOLOGICAL INFORMATION**

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Ld 50 (Rat)	2910 mg/kg
LD50 (Mice)	3900 mg/kg

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**SECTION XII ECOLOGICAL INFORMATION**

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Repellent to most avian species  
Toxic to fish

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**SECTION XIII DISPOSAL CONSIDERATIONS**

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Steps to be Taken	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.

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**SECTION XIV TRANSPORTATION INFORMATION**

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Regulated	DOT Shipping Classification - Chemicals, NOI (not regulated)
Storage Precautions	Usual precautions for combustible liquids

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**SECTION XV OTHER INFORMATION**

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Do not contaminate water, food or feed by storage or disposal	
Pesticide Storage	Store only in original container apart from pesticides, fertilizers, food or feed that may cause cross-contamination from odor and inaccessible to children. Avoid freezing or placing containers in direct sunlight. If frozen thaw and remix contents. Keep tightly closed when not in use.
Pesticide Disposal	Wastes resulting from the use of this product may be disposed of on site or at a waste disposal facility by exposing to direct sunlight until all odor or the product has dissipated or in accordance with Federal or State procedures.
Container Handling	Refill this container with pesticide only. Do not reuse this container for any other purpose." Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller." To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of the smoke.

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**DISCLAIMER**

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*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. 08.2011*