

MATERIAL SAFETY DATA SHEET (MSDS)

TROY CORPORATION 113 South 47th Avenue Phoenix, AZ 85043 USA	FOR MSDS INFORMATION: (602) 233-9047 24 HOUR EMERGENCY PHONE NUMBER CHEMTREC 1-800-424-9300	Stimukil Fly Bait® Product Code: 80150 Effective Date: January 20, 2011 Replaces: March 1, 2010		
1. PRODUCT & COMPANY IDENTIFICATION				
PRODUCT NAME CHEMICAL NAME CHEMICAL FAMILY FORMULA SYNONYMS	Stimukil Fly Bait® Not applicable Not applicable Proprietary None	MANUFACTURER Troy Corporation 113 South 47th Avenue Phoenix, AZ 85043		
2. COMPOSITION/INFORMATION ON INGREDIENTS				
The listed components are considered to be hazardous based on OSHA's Hazard Communication Standard. For further regulatory information, see Section 15.				
CHEMICAL NAME	CAS#	%	AGENCY	EXPOSURE LIMITS
Methomyl	16752-77-5	1	ACGIH	TWA: 2.5 mg/m3
(Z)-9-tricosene	27519-02-4	0.04	Not applicable	None established
OSHA Regulatory Status: This product is classified as hazardous under OSHA regulations.				
3. HAZARDS IDENTIFICATION				
EMERGENCY OVERVIEW				
Stimukil Fly Bait® is a blue granular material with a sulfurous odor. Excessive inhalation may be harmful. Toxic to birds, fish, aquatic invertebrates and mammals.				
ROUTES OF ENTRY	Ingestion, skin contact, skin absorption, eyes, inhalation			
INGESTION	Single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects. Ingestion of excessive quantities may cause gastrointestinal irritation (nausea and vomiting). May cause cholinesterase inhibition.			
SKIN	Direct contact may cause slight skin irritation. Harmful if absorbed through skin.			
EYE CONTACT	Essentially non-irritating.			
INHALATION	Excessive inhalation may be harmful.			
CHRONIC EFFECTS	Methomyl is a cholinesterase inhibitor. Symptoms include sweating, salivation, nausea, headache, diarrhea, vomiting, cyanosis, skin rash.			
TARGET ORGANS	Central nervous system, eyes, skin, respiratory system.			
CARCINOGENICITY	This product (or component) is not listed as a carcinogen according to OSHA, NTP, IARC, and ACGIH.			
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	May aggravate respiratory and skin disorders and allergies.			
4. FIRST AID MEASURES				
INGESTION	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.			
SKIN CONTACT	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.			
EYE CONTACT	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 the eye. Call a poison control center or doctor for treatment advice.			
INHALATION	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.			
NOTES TO PHYSICIAN	If cholinesterase inhibition is suspected, atropine by injection is antidotal.			
5. FIRE FIGHTING MEASURES				
FLASH POINT	Not applicable			
FLAMMABLE LIMITS	Not applicable			
FLAMMABILITY CLASS	Not applicable			
AUTOIGNITION TEMPERATURE	Not applicable			
HAZARDOUS PRODUCTS OF COMBUSTION	Carbon monoxide, carbon dioxide.			
FIRE EXTINGUISHING MEDIA	Dry chemical, carbon dioxide, water spray, or regular foam.			
FIRE FIGHTING INSTRUCTIONS	Move container from fire if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Avoid breathing vapors, keep upwind. Firefighters should use self-contained breathing apparatus with full facepiece.			
UNUSUAL FIRE & EXPLOSION HAZARDS	None			
6. ACCIDENTAL RELEASE MEASURES				
Keep unnecessary people away from spill area. Wear protective equipment as specified in Section 8. Stop leak if you can do it without risk. For small dry spills, shovel material into clean, dry container and cover loosely; move containers from spill area. For large dry spill, cover spill with plastic sheet or tarp to minimize spreading or, if wet, dike far ahead of liquid spill for later disposal. If water pollution occurs, notify the appropriate authorities.				
Observe all Federal, State, and Local regulations regarding notifications of accidental releases.				
7. HANDLING & STORAGE				
Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly after handling. Keep container tightly closed. Use only with adequate ventilation. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Avoid breakage of bagged material or spills of bulk material. Store away from incompatible substances in a cool, dry, ventilated area. Do not contaminate water, food, or feed by storage or disposal.				
Observe all Federal, State, and Local regulations when storing or disposing of this substance.				

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8. PERSONAL PROTECTION/EXPOSURE CONTROLS				
VENTILATION	Provide adequate ventilation or local exhaust to meet established exposure limits.			
EYE/FACE PROTECTION	Essentially non-irritating. If potential for contact with material exists, use safety glasses with sideshields or other approved eye protection.			
SKIN PROTECTION	Direct contact may cause slight skin irritation. Wear impervious gloves and apron to prevent skin contact.			
RESPIRATORY PROTECTION	A respiratory protection program meeting OSHA 1910.134 must be followed whenever workplace conditions warrant the use of a respirator. If exposure may exceed recommended limits, a NIOSH/MSHA-approved respirator should be used based on exposure levels found in the workplace.			
OTHER	Eyewash and safety shower should be available within the immediate work area for emergency use.			
9. PHYSICAL AND CHEMICAL PROPERTIES				
APPEARANCE	Blue granules	SPECIFIC GRAVITY AT 25°C. (Water=1)	Not determined	
ODOR	Sulfurous	WATER SOLUBILITY	Soluble	
INITIAL BOILING POINT	Not applicable	pH (1% aqueous solution)	Not determined	
VAPOR PRESSURE AT 20°C.	Not applicable	EVAPORATION RATE (Butyl acetate=1)	Not applicable	
VAPOR DENSITY (Air=1)	Not applicable	% VOLATILES BY WEIGHT	<1%	
10. STABILITY & REACTIVITY				
REACTIVITY	Stable under normal temperatures and pressures.			
CONDITIONS TO AVOID	Avoid heat or sources of ignition.			
INCOMPATIBILITY	Avoid contact with strong acids and bases.			
HAZARDOUS DECOMPOSITION	Decomposition may release carbon monoxide and carbon dioxide.			
HAZARDOUS POLYMERIZATION	Hazardous polymerization does not occur.			
11. TOXICOLOGICAL INFORMATION				
ACUTE ORAL EFFECTS				
LD50 (oral, rat) - 1400 mg/kg.				
ACUTE SKIN EFFECTS				
LD50 (dermal, rabbit) - 2010 mg/kg., Slight irritation (rabbit).				
ACUTE EYE EFFECTS				
Essentially non-irritating.				
ACUTE INHALATION EFFECTS				
LC50 (rat, 4 hr) - 2.31 mg/L.				
SUBCHRONIC EFFECTS AND OTHER STUDIES				
No data				
12. ECOLOGICAL INFORMATION				
ECOTOXICITY				
This product is toxic to birds, fish, aquatic invertebrates and mammals.				
Data on the active ingredient, methomyl, is as follows:				
LC50 (Lepomis macrochirus, 96 hr flow-through) - 370-480 ug/L.				
EC50 (Daphnia magna, 48 hr flow-through) - 7.6-31.7 ug/L.				
ENVIRONMENTAL FATE				
This product may cause adverse environmental impact. Avoid contamination of streams and sewers.				
13. DISPOSAL INFORMATION				
RCRA HAZARDOUS WASTE	This product is not a RCRA hazardous waste by definition.			
WASTE DISPOSAL PROCEDURE	The user of this material has the responsibility to dispose of unused material, residues, and containers in compliance with all Federal, State, and Local Regulations			
14. TRANSPORTATION INFORMATION				
DOT, IATA, IMDG				
This product does not meet the definition of any hazard class and therefore is not subject to DOT, IATA, and IMDG Regulations.				
15. REGULATORY INFORMATION				
CERCLA SECTION 103 (40CFR302.4)				
This product contains the following toxic chemicals that require notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the Reportable Quantities (RQ).				
<u>CHEMICAL NAME</u>	<u>CAS#</u>	<u>%</u>	<u>RQ (lbs)</u>	
Methomyl	16752-77-5	1	100	
SARA SECTION 302 (40CFR355.30), SARA SECTION 304 (40CFR355.40)				
This product contains the following chemicals that require emergency planning based on Threshold Planning Quantities (TPQ) or release reporting based on Reportable Quantities (RQ).				
<u>CHEMICAL NAME</u>	<u>CAS#</u>	<u>%</u>	<u>TPQ (lbs)</u>	<u>RQ (lbs)</u>
Methomyl	16752-77-5	1	500	100
SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21)				
ACUTE	CHRONIC	FIRE	REACTIVE	PRESSURE
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SARA SECTION 313 (40CFR372.65)				
This product does not contain any chemicals subject to the reporting requirements of the Emergency Planning and Community Right-to-Know Act of 1986.				

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CHEMICAL INVENTORIES

The ingredients of this product are all on the following Chemical Substance Inventories, are exempt from the Inventories, or are otherwise compliant with inventory requirements of the governing agency.

TSCA <input checked="" type="checkbox"/> U.S.	EINECS <input checked="" type="checkbox"/> Europe	DSL/NDL <input checked="" type="checkbox"/> Canada	AICS <input checked="" type="checkbox"/> Australia	ECL <input checked="" type="checkbox"/> Korea	MITI, ENCS <input type="checkbox"/> Japan	PICCS <input type="checkbox"/> Philippines
IECSC <input type="checkbox"/> China	NZIoC <input type="checkbox"/> New Zealand					

CALIFORNIA PROPOSITION 65

This product does not contain any substances that are currently on the list of Known Carcinogens and Reproductive Toxins, at levels which would require a warning under the statute.

STATE RIGHT-TO-KNOW

This product is regulated by the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is exempt from State Right-to-Know labeling requirements when labeled with an approved EPA label.
 EPA Registration No. 53871-3

WHMIS CLASSIFICATION

Exempt

This product is registered in Canada under the Pest Control Products Act and is therefore exempt from WHMIS.

REGISTRATION NUMBER

PCPA No. 24969

16. OTHER

REVISIONS

Prepared by: Environmental and Regulatory Affairs Dept.

This MSDS has been revised in the following sections: (revisions indicated in left border)
 Product Code

ABBREVIATIONS

PNOC - Particulates not otherwise classified

PNOR - Particulates not otherwise regulated

STEL - Short-term exposure limit

TLV - Threshold limit value

TWA - Time-weighted average

HMIS RATING

HEALTH	FLAMMABILITY	REACTIVITY	PERSONAL PROTECTION	NFPA RATING	HEALTH	FLAMMABILITY	REACTIVITY
1	1	0	F		1	1	0

The information contained in this MSDS is believed to be accurate and reliable as of issue date, but no representation, guarantee, or warranty, express or implied is made to the accuracy, reliability, or completeness of the information. It is provided for the purpose of complying with hazard communication regulations. It is not intended as performance information or specifications for the product. It is the user's responsibility to determine the suitability of the product for his own use. Troy Corporation does not assume legal responsibility for reliance on information herein. Stimukil Fly Bait® is a trademark of Troy Corporation.

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