

MATERIAL SAFETY DATA SHEET

TROY BIOSCIENCES, INCORPORATED

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24 HR. EMERGENCY PHONE NUMBER
CHEMTREC 1-800-424-9300

I. IDENTIFICATION

PRODUCT NAME	STIMUKIL FLY BAIT		
CHEMICAL NAME	NOT AVAILABLE	CHEMICAL FAMILY	NOT AVAILABLE
FORMULA	PROPRIETARY	MOLECULAR WEIGHT	NOT AVAILABLE
SYNONYMS	NONE		
HAZARD CLASSIFICATION	NON-HAZARDOUS		
DOMESTIC SHIPPING NAME	NON-HAZARDOUS COMPOUND/ADDITIVE	FOREIGN SHIPPING NAME	NON-HAZARDOUS COMPOUND/ADDITIVE
CAS #	NOT AVAILABLE	CAS NAME	MIXTURE

II. PHYSICAL DATA

BOILING POINT, 760 mm Hg 101.325 kPa	UNKNOWN		
SPECIFIC GRAVITY (WATER = 1)	NOT AVAILABLE	VAPOR PRESSURE AT 20 C	NOT AVAILABLE
VAPOR DENSITY (AIR = 1)	>1	SOLUBILITY IN WATER, % BY WT.	SOLUBLE IN WATER
% VOLATILES BY VOLUME	NOT AVAILABLE	EVAPORATION RATE (BUTYL ACETATE = 1)	<1
APPEARANCE AND ODOR	BLUE GRANULAR MATERIAL, SULFUROUS ODOR		

III. INGREDIENTS

MATERIAL	%	TLV (Units)	Hazard
METHOMYL[(S-METHYL-N-CARBAMOYL)OXY]-TRIOACETIMIDATE CAS NO. 16752-77-5 (SARA REG.)	1.0	2.5 MG/M3	EYE, RESP. IRRITANT
MUSCALURE (Z-9-TRICOSENE)	0.025	NOT AVAILABLE	NONE

IV. FIRE AND EXPLOSION HAZARD

FLASH POINT	UNKNOWN			
FLAMMABLE LIMITS IN AIR	NOT AVAILABLE			
EXTINGUISHING MEDIA	WATER, CO ₂ , DRY CHEMICAL, FOAM			
UNUSUAL FIRE AND EXPLOSION HAZARDS	WILL IGNITE IF EXPOSED TO INTENSE HEAT OR OPEN FLAME. INTENSE HEAT MAY RUPTURE CONTAINER.			
HMIS RATINGS	HEALTH 1	FLAMMABILITY 1	REACTIVITY 0	PERSONAL PROTECTION F

See HMIS Summary on last page for clarification of these ratings.

Distributed by:
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V. HEALTH HAZARD DATA

TLV AND SOURCE	1990 - 1991 THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES.
ACUTE EFFECTS OF OVEREXPOSURE	
SWALLOWING	NAUSEA, VOMITING, ORAL LD50 (RAT) = 1400 MG/KG
SKIN ABSORPTION	NOT AVAILABLE
INHALATION	IRRITATION, LC50 (RAT) = 100 MG/L
SKIN CONTACT	IRRITATION, DERMAL LD50 (RABBIT) = 2010 MG/KG
EYE CONTACT	IRRITATION
CHRONIC EFFECTS OF OVEREXPOSURE	METHOMYL IS A CHOLINESTERASE INHIBITOR. SYMPTOMS OF INHIBITION ARE SWEATING, SALIVATION, NAUSEA, HEADACHE, DIARRHEA, VOMITING, CYANOSIS, SKIN RASH.
OTHER HEALTH HAZARDS	UNKNOWN
EMERGENCY AND FIRST AID PROCEDURES	
SWALLOWING	INDUCE VOMITING BY DRINKING WATER. CONSULT A PHYSICIAN
SKIN	WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN.
INHALATION	MOVE TO FRESH AIR. IF NECESSARY, PERFORM ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.
EYES	RINSE EYES THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN IMMEDIATELY.
NOTES TO PHYSICIAN	METHOMYL IS A CHOLINESTERASE INHIBITOR. ATROPINE IS AN ANTIDOTE.

VI. REACTIVITY DATA

STABILITY		CONDITIONS TO AVOID
UNSTABLE	STABLE	EXTREME HEAT, STRONG ACIDS OR BASES.
	X	

INCOMPATIBILITY (materials to avoid)	STRONG ACIDS OR BASES
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS	CARBON DIOXIDE, CARBON MONOXIDE

HAZARDOUS POLYMERIZATION		CONDITIONS TO AVOID
MAY OCCUR	WILL NOT OCCUR	NOT APPLICABLE
	X	

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	<ol style="list-style-type: none"> 1. REMOVE PERSONS NOT WEARING PROTECTIVE CLOTHING FROM SPILL AREA. 2. CONTAIN AND VENTILATE SPILL AREA. 3. AVOID CONTAMINATION OF STREAMS AND SEWERS. 4. ABSORB ONTO CLAY OR OTHER ABSORBENT MATERIAL.
WASTE DISPOSAL METHOD	DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL STANDARDS.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)	NIOSH/HSIA APPROVED FOR VAPORS AND PARTICULATES		
VENTILATION	MECHANICAL		
PROTECTIVE GLOVES	RUBBER, CHEMICAL RESISTANT.	EYE PROTECTION	GOGGLES
OTHER PROTECTIVE EQUIPMENT	IMPERVIOUS CLOTHING TO MINIMIZE CONTACT, LONG-SLEEVED SHIRT AND LONG PANTS. SHOES AND SOCKS MUST BE WORN.		

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	USE ONLY IN AREAS INACCESSIBLE TO FOOD. DO NOT STORE NEAR FOOD OR FEEDSTUFFS. KEEP OUT OF REACH OF CHILDREN.
OTHER PRECAUTIONS	AVOID USE IN AREAS WHERE ANIMALS SUCH AS POULTRY OR LIVESTOCK WILL CONTACT.

The MSDS information is accurate to the best of our knowledge; however, Troy Biosciences, Inc. does not assume any legal responsibility for reliance upon same.

SUMMARY OF HMIS RATINGS

HEALTH HAZARD RATINGS

0	MINIMAL HAZARD	No significant risk to health.
1	SLIGHT HAZARD	Irritation or minor reversible injury possible.
2	MODERATE HAZARD	Temporary or minor injury may occur.
3	SERIOUS HAZARD	Major injury likely unless prompt action is taken and medical treatment is given.
4	SEVERE HAZARD	Life-threatening, major or permanent damage may result from single or repeated exposures.

*Use of an asterisk indicates that there may be chronic health effects.

FLAMMABILITY HAZARD RATING

0	MINIMAL HAZARD	Materials that are normally stable and will not burn unless heated.
1	SLIGHT HAZARD	Materials that must be preheated before ignition will occur. Flammable liquids in this category will have flash points (the lowest temperature at which ignition will occur) at or above 200°F (NFPA Class II & IIIA).
2	MODERATE HAZARD	Materials that must be moderately heated before ignition will occur including flammable liquids with flash points at or above 100°F and below 200°F (NFPA Class II & IIIA).
Class 3	SERIOUS HAZARD	Materials capable of ignition under almost all normal temperature conditions, including flammable liquids with flash points below 73°F and 100°F (NFPA Class IB & IC).
4 73°F	SEVERE HAZARD	Very flammable gases or very volatile flammable liquids with flash points below and boiling points below 100°F (NFPA Class IB & IC).

REACTIVITY HAZARD RATING

0	MINIMAL HAZARD	Materials that are normally stable, even under fire conditions, and will not react with water.
1 and energy	SLIGHT HAZARD	Materials that are normally stable but can become unstable at high temperatures and pressures. These materials may react with water but they will not release violently.
2 water.	MODERATE HAZARD	Materials that in themselves are normally unstable and will react violently with water.
3 materials	SERIOUS HAZARD	Materials that are capable of detonation or explosive reaction but require a strong initiation source or must be heated under confinement before initiation; or that react explosively with water.
4	SEVERE HAZARD	Materials that are readily capable of detonation or explosive composition at normal temperatures and pressures.

PERSONAL PROTECTIVE

- A Safety glasses
- B Safety glasses, gloves
- C Safety glasses, gloves, synthetic apron
- D Face shield, gloves, synthetic apron
- E Safety glasses, gloves, dust respirator
- F Safety glasses, gloves, synthetic apron, dust respirator
- G Safety glasses, gloves, vapor respirator
- H Splash goggles, gloves, synthetic apron, vapor respirator
- I Safety glasses, gloves, combination dust & vapor respirator
- J Splash goggles, gloves, synthetic apron, combination dust & vapor respirator
- K Airline hood or mask, gloves, full protective suit, boots.
- X Ask your supervisor for specialized handling directions.

This information contained in this MSDS is believed to be accurate and reliable as of the date issued. It is provided for the purpose of complying with hazard communication regulations.