



DEPENDABLE PEST MANAGEMENT

Onslaught

COMMON NAME: esfenvalerate (Onslaught)

STATEMENT OF PRACTICAL TREATMENT: If in eyes, hold eye open and rinse slowly and gently with water for 15 to 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 on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. If swallowed call a poison control center or doctor immediately for treatment advice.

PRECAUTIONARY STATEMENT: Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and other aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

POST APPLICATION INFORMATION: Remove pets and birds and cover fish aquariums before spraying.



McLaughlin Gormley King Company

PRODUCT CODE: 028371

MATERIAL SAFETY DATA SHEET

Onslaught™ Microencapsulated Insecticide

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Revision Date: 7/11/2006

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT CODE:	028371, EPA REG. NO. : 1021-1815		
PRODUCT NAME:	Onslaught™ Microencapsulated Insecticide		
PRODUCT DESCRIPTION:	A Microencapsulated Insecticide for Pest Management Professional Use.		
CHEMICAL NAME:	Mixture		
MANUFACTURER:	McLaughlin Gormley King Company, 8810 10 th Avenue North, Minneapolis, MN. 55427		
TELEPHONE M-F, 8:00-4:30 CST, 14:00-22:30 GMT:	(800) 645-6466 or (763) 544-0341		
MSDS & Product Information, 8:00-4:30 CST, 14:00-22:30 GMT:	(800) 645-6466 or (763) 544-0341		
24 HOUR EMERGENCY PHONE (CHEMTREC) U.S. and CANADA:	(800)-424-9300	CHEMTREC (ALL OTHER AREAS):	(703) 527-3887
For information regarding medical emergencies or pesticide incidents, call 24 hours a day at: 1-888-740-8712			

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT(s)	CAS #	EXPOSURE LIMITS	SARA Title III Sec. 313 de minimus conc.	% BY WEIGHT
Esfenvalerate	066230-04-4	2 mg/m ³ (skin) Supplier OEL	1.0%	6.4
Petroleum Distillates, hydrotreated light	064742-47-8	100ppm (525 mg/m ³) TWA	Not Applicable	5←→10
PEL = Permissible Exposure Limits. TLV = Threshold Limit Value.		TWA = Time Weighted Average (8 hour). STEL = Short Term Exposure Limit (15 minute's).		
COMMENTS: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.				

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW

CAUTION. Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Contains petroleum distillates - Vomiting may cause aspiration pneumonia. Avoid contact with skin, eyes, and clothing.
Wear OSHA-approved safety glasses with side-shields, safety goggles, or a full-face shield.

- EYES:** Causes moderate eye irritation.
- SKIN:** Can cause skin irritation. Can cause a burning or pricking sensation on more sensitive areas (face, eyes, mouth).
- SKIN ABSORPTION:** Harmful if absorbed through the skin.
- INGESTION:** Harmful if swallowed. Small amounts of this material may get into the lungs during ingestion or vomiting and may cause mild to severe lung injury.
- INHALATION:** Excessive inhalation may cause nasal and respiratory irritation.
- CHRONIC EFFECTS:** None known.
- CARCINOGENICITY:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. FIRST-AID MEASURES

FIRST AID PROCEDURES:

- 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.
- 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.
- INHALATION:** 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 or doctor for further treatment advice.
- INGESTION:** Immediately call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIANS: This product contains Pyrethroids and Petroleum Distillates - Vomiting may pose an aspiration pneumonia hazard.
For skin effects, a highly efficient therapeutic agent for Pyrethroid exposure is topical application of Tocopherol Acetate (Vitamin E). Diazepam has been recommended to reduce the CNS effects of Esfenvalerate.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: >200 °F/ >93.3 °C **METHOD:** TAG Closed Cup

This product is NOT classified as a combustible or flammable liquid by OSHA.

LOWER FLAMMABLE LIMIT: not established.

UPPER FLAMMABLE LIMIT: not established.

AUTOIGNITION TEMPERATURE: not established.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions this product may support combustion and may decompose to give off toxic gases such as HYDROGEN CYANIDE, carbon monoxide, carbon dioxide, and nitrogen oxides.

EXTINGUISHING MEDIA: Foam, carbon dioxide, or dry chemical.

FIRE FIGHTING INSTRUCTIONS: Treat as an oil fire. Keep personnel removed and upwind of fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water spray. Contain the run-off, if possible, for proper disposal.

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6. ACCIDENTAL RELEASE MEASURES:

SMALL SPILL: Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.
LARGE SPILL: Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent
WASTE DISPOSAL METHOD: Contaminated absorbent and wash water should be disposed of according to local, state, and federal regulations.

RCRA \ CERCLA HAZARDOUS WASTE:

INGREDIENT

RCRA ID#:

CERCLA RQ-VALUE

None

RCRA/ EPA WASTE INFORMATION: None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40 CFR 251.33) or CERCLA Hazardous Substance List (40 CFR Part 302 Table 302.4).

7. HANDLING AND STORAGE

GENERAL PROCEDURES: DO NOT APPLY THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD. Do not use or store near heat, sparks, open flame, or any other ignition sources.
HANDLING: Wear OSHA-approved safety glasses with side-shields, safety goggles, or a full-face shield. Avoid contact with skin, eyes, and clothing. Mechanical ventilation should be used when handling this product in enclosed spaces. Do not contaminate water, food or feedstuffs by storage, handling or disposal. Read and observe all precautions and instructions on the label.
STORAGE: Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Keep away from heat, sparks, open flame, and any other ignition sources. DO NOT allow product to exceed 160°F (71.1°C) as HYDROGEN CYANIDE GAS may be produced. Keep away from strong acids, bases, and oxidizers. Emptied containers may retain product residues. KEEP OUT OF REACH OF CHILDREN.
WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, DRINK OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: Not established by OSHA or ACGIH (see Section 2 for individual components).
ENGINEERING CONTROLS: Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.
SKIN PROTECTION: Take prudent precautions to avoid contact with skin and clothing.
EYE PROTECTION: Wear OSHA-approved safety glasses with side-shields, safety goggles, or a full-face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Creamy, yellow/ light-brown. MELTING POINT: Not available
ODOR: Odorless SOLUBILITY IN WATER: Immiscible in water.
PHYSICAL STATE: Liquid SPECIFIC GRAVITY: 1.02 (water = 1) @ 20°C (68°F)
VAPOR DENSITY: Heavier than air. COLOR, (GARDNER): Not available
BOILING POINT: Not available pH: 5.5 @ 10% in water.
VOC: < 2% VISCOSITY: 1025 CPS @ 18.5°C (65.3°F)

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable. INCOMPATIBILITY: Strong acidic or alkaline materials.
HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable. HAZARDOUS POLYMERIZATION: Will not occur.

11. OTHER INFORMATION

HMIS RATINGS: We assign HMIS ratings to this product based on the hazards of its ingredient(s). Since the customer is most aware of the applications and conditions of use, he must ensure that the proper personal protective equipment is provided consistent with information contained in Section's 7 and 8 of this MSDS.

HMIS RATINGS: Health 1
Flammability 1
Reactivity 1

The data contained herein are based on information currently available to McLaughlin Gormley King Company and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which McLaughlin Gormley King Company assumes legal responsibility.

Material Safety Data Sheet prepared by T. Azzivitto

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