

SAFETY DATA SHEET (GHS)

Date Issued : 3/12/2014
MSDS No : ENTECH Auto Fog-ES
Date-Revised : 3/12/2014
Revision No : 1

Auto Fog-ES

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Auto Fog-ES
PRODUCT DESCRIPTION: An Insecticide for Commercial or Industrial Use.
PRODUCT CODE: Auto Fog-ES
ACTIVE INGREDIENT(S): Esfenvalerate

MANUFACTURER

Entech Systems Corporation
 www.entech.la
 607 Maria Street
 Kenner, LA 70062
E-Mail: Entech@msn.com
Emergency Phone: 1(800) 222-1222
Service Number: 1(504) 469-6541

24 HR. EMERGENCY TELEPHONE NUMBERS

FOR TRANSPORTATION:

CHEMTREC® U.S. and CANADA: 1(800) 424-9300
CHEMTREC® All Other Areas: 1(703) 527-3887

EPA REG. NO.: 40391-16




COMMENTS: For MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call the POISON CONTROL CENTER 24 hours a day at 1-800-222-1222.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

| Health | Environmental |
|---|---|
| Aspiration Hazard, Category 2 Acute Toxicity (Oral), Category 4 Acute Toxicity (Inhalation), Category 4 | Acute Hazards to the Aquatic Environment, Acute 1 |

GHS LABEL

| | |
|--|--|
|  Environment (GHS 09) |  Exclamation mark (GHS 07) |
| WARNING | WARNING |
| H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. | H302: Harmful if swallowed. H312: Harmful in contact with skin. H333: May be harmful if inhaled. |
|  Health hazard (GHS 08) | |
| WARNING | |

PRECAUTIONARY STATEMENT(S)

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

SAFETY DATA SHEET (GHS)

Date Issued : 3/12/2014

MSDS No : ENTECH Auto Fog-ES

Date-Revised : 3/12/2014

Revision No : 1

Auto Fog-ES

P202: Do not handle until all safety precautions have been read and understood.

P273: Avoid release to the environment.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501: Dispose of contents/container to an approved waste disposal plant.

COMMENTS: This material is considered hazardous by the 2012 OSHA Hazard Communication Standard [29 CFR 1910.1200(a)(1)], and the G.H.S.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt.% | CAS | EINECS |
|--|-------|------------|------------|
| Esfenvalerate | 0.25 | 66230-04-4 | Not Avail. |
| Petroleum Distillates, Light, Hydrotreated | 99.75 | 64742-47-8 | 265-149-8 |

COMMENTS: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

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.

INGESTION: If swallowed, 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 a doctor. Never give anything by mouth to an unconscious person.

INHALATION: Remove affected 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: Contains Pyrethroids and Petroleum Distillates - vomiting may pose an aspiration pneumonia hazard. Diazepam has been recommended to reduce the CNS effects of Esfenvalerate.

For skin effects, a highly efficient therapeutic agent for Pyrethroid exposure is topical application of Tocopherol Acetate (Vitamin E).

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: OSHA-COMBUSTIBLE LIQUID

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions this product will support combustion and may decompose to

SAFETY DATA SHEET (GHS)

Date Issued : 3/12/2014

MSDS No : ENTECH Auto Fog-ES

Date-Revised : 3/12/2014

Revision No : 1

Auto Fog-ES

give off toxic gases such as HYDROGEN CYANIDE, carbon monoxide, carbon dioxide, and nitrogen oxides.

FIRE FIGHTING PROCEDURES: Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

SENSITIVE TO STATIC DISCHARGE: Yes, use proper bonding and/or grounding procedures.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Shut off ignition sources. 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: Shut off ignition sources. 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.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Contains Pyrethroids, which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and federal/national regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Do not use or store near heat, sparks, open flame, or any other ignition sources.

HANDLING: Take prudent precautions to avoid contact with skin, eyes, and clothing. Wear a respirator if product will be confined to indoor use. Do not contaminate water, feed, or food by storage, handling, or by disposal.

READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE PRODUCT LABEL.

STORAGE: Store in a cool, dry, well-ventilated place. Keep container closed. Do not use or store near heat, sparks, open flame, any ignition sources, or near strong acids, bases, and oxidizers. Always store pesticides in the original container. Store away from food and pet-food.

KEEP OUT OF REACH OF CHILDREN.

ELECTROSTATIC ACCUMULATION HAZARD: This product contains petroleum distillates for which there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading, and transfer of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

SAFETY DATA SHEET (GHS)

Date Issued : 3/12/2014

MSDS No : ENTECH Auto Fog-ES

Date-Revised : 3/12/2014

Revision No : 1

Auto Fog-ES

EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | | | | |
|---|-----|-----------------|-------------------|-----------|-------------------|--------------|-------------------|
| | | EXPOSURE LIMITS | | | | | |
| | | OSHA PEL | | ACGIH TLV | | Supplier OEL | |
| Chemical Name | | ppm | mg/m ³ | ppm | mg/m ³ | ppm | mg/m ³ |
| Esfenvalerate | TWA | None | | None | | [1] | 2 [1] |
| Petroleum Distillates, Light, Hydrotreated | TWA | 500 | 2000 | None | | None | |
| OSHA TABLE COMMENTS: | | | | | | | |
| 1. Skin | | | | | | | |

ENGINEERING CONTROLS: Ventilate treatment area thoroughly before re-entry.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Take prudent precautions to avoid contact with eyes.

SKIN: Take prudent precautions to avoid contact with skin and clothing.

RESPIRATORY: Applicators using hand-held foggers in an enclosed area must wear a half-face, full-face, or hood-style NIOSH-approved respirator with a dust/ mist filtering cartridge (MSHA/ NIOSH approval number prefix TC-21C), or a canister approved for pesticides (MSHA/ NIOSH approval number prefix TC-14G), or a cartridge or canister with any R, P or HE filter.

WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, OR 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Aromatic solvent.

APPEARANCE: Clear, colorless liquid.

COLOR: 1.0 on Gardner Scale.

pH: 5.34

FLASHPOINT AND METHOD: 85.6°C (186°F) TAG Closed Cup

VAPOR DENSITY: Heavier than air.

FREEZING POINT: Not Available

SOLUBILITY IN WATER: Immiscible in water.

DENSITY: 0.788 at 22.2°C (72.0°F)

Notes: grams/ milliliter

VISCOSITY #1: 2.18 CPS at 20°C (68 °F) Brookfield

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Not compatible with strong acids or bases. Not compatible with strong oxidizers.

SAFETY DATA SHEET (GHS)

Date Issued : 3/12/2014

MSDS No : ENTECH Auto Fog-ES

Date-Revised : 3/12/2014

Revision No : 1

Auto Fog-ES

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: > 5000 mg/kg

Notes: Albino rabbit.

ORAL LD₅₀: 1750 mg/kg

Notes: Albino rat.

INHALATION LC₅₀: > 2.09 mg/L

Notes: Rats exposed for 4 hours to test atmosphere. The Acute Inhalation LC₅₀ of this material places it in EPA Toxic Category IV.

EYE EFFECTS: Mildly irritating to albino rabbit eyes.

SKIN EFFECTS: Slightly irritating (Albino Rabbit).

SENSITIZATION: Negative; Not considered to be a dermal sensitizer to albino guinea pigs.

GENERAL COMMENTS: Some or all of the toxicity data reported above was bridged from a substantially similar formula.

COMMENTS: 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.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product is toxic to fish and other wildlife. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or other surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

[For containers 5 gallons or greater]:

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters, unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency (EPA).

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

EMPTY CONTAINER: Non-refillable container. DO NOT reuse or refill this container.

Triple rinse container (or equivalent) promptly after emptying. Then, offer for recycling if available, or reconditioning if appropriate, or puncture and dispose of container in a sanitary landfill, or by other procedures approved by state and local authorities.

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

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

SAFETY DATA SHEET (GHS)

Date Issued : 3/12/2014

MSDS No : ENTECH Auto Fog-ES

Date-Revised : 3/12/2014

Revision No : 1

Auto Fog-ES

PROPER SHIPPING NAME: Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: Non-Hazardous

OTHER SHIPPING INFORMATION: This material is not regulated by the DOT as a hazardous material when shipped in Non-Bulk quantities (i.e., less than 119 Gallon's / 450 Liter's).

When shipping in Bulk-quantities (i.e., more than 119 Gallon's / 450 Liter's), please contact MGK® for the proper shipping description.

AIR (ICAO/IATA)

SHIPPING NAME: Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: Non-Hazardous

NOTE: Not considered hazardous by IATA/ ICAO regulations for transportation via air in Non-Bulk quantities.

VESSEL (IMO/IMDG)

SHIPPING NAME: UN3082, Environmentally Hazardous Substance, Liquid, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

MARINE POLLUTANT #1: Esfenvalerate

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes

313 REPORTABLE INGREDIENTS: This product contains no SARA Title III Section 313 chemicals that exceed the reporting limits.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

There are no components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4) in this formulation.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control Act's inventory reporting requirements.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):

NOTE: This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for Safety Data Sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

CAUTION. Harmful if swallowed. Causes moderate eye irritation. Contains petroleum distillates - Vomiting may cause aspiration pneumonia. Avoid contact with skin, eyes, and clothing.

Personal Protective Equipment (PPE):

SAFETY DATA SHEET (GHS)

Date Issued : 3/12/2014

MSDS No : ENTECH Auto Fog-ES

Date-Revised : 3/12/2014

Revision No : 1

Auto Fog-ES

Applicators using hand-held foggers in an enclosed-area must also wear the following additional PPE:

Wear a MSHA/ NIOSH-approved respirator, such as a half-face, full-face, or hood-style NIOSH-approved respirator with a dust/ mist filtering cartridge (MSHA/ NIOSH approval number prefix TC-21C), or a canister approved for pesticides (MSHA/ NIOSH approval number prefix TC-14G), or a cartridge or canister with any R, P or HE filter.

16. OTHER INFORMATION

REVISION SUMMARY: This MSDS replaces the 3/12/2014 MSDS. Revised: **Section 3:** COMMENTS, Wt.%. **Section 9:** APPEARANCE, COLOR, DENSITY, FLASHPOINT AND METHOD, ODOR, pH, VISCOSITY #1.

HMIS RATING

| | | |
|---------------------|--------------------------|---|
| HEALTH | <input type="checkbox"/> | 1 |
| FLAMMABILITY | <input type="checkbox"/> | 2 |
| PHYSICAL HAZARD | <input type="checkbox"/> | 1 |
| PERSONAL PROTECTION | <input type="checkbox"/> | |

COMMENTS: This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products is regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling. All necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

The information in this SDS is based on data available to us as of the revision date given herein, and believed to be correct.

Judgements as to the suitability of information herein for the individual's own use of purposes are necessarily the individual's own responsibility. Although reasonable care has been taken in the preparation of such information, Entech Systems Corporation extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to the individual's purposes or the consequences of its use.

Entech Systems Corporation