

MATERIAL SAFETY DATA SHEET

May be used to comply with
OSHA's Hazard Communication
Standard. 29 CFR 1910.1200.
Standard must be consulted
for specific requirements.

U.S. DEPARTMENT OF LABOR
Occupational Safety & Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

EctoKyl IGR Total Release Fogger

EPA Registration: 1021-1623-41835

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

SECTION 1

MANUFACTURER:

DVM Pharmaceuticals, Inc
50 NW 176 Street
Miami, FL 33169

EMERGENCY

TELEPHONE:

800-367-4902

Date of Issue:

March 1996

PRODUCT NAME: EctoKyl IGR Total Release Fogger

CHEMICAL NAME AND SYNONYMS: Not applicable

CHEMICAL FORMULA: Not applicable

CHEMICAL FAMILY: Water-based aerosol

SECTION 2: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity Name(s)): * - Indicates Trade Secret

| CAS # | HAZARDOUS INGREDIENTS | % | EXPOSURE LIMIT (SOURCE) | CARCINOGEN |
|-------|---------------------------|---|-------------------------|------------|
| * | Liquefied Petroleum Gas | * | TLV-1000 ppm (ACGIH) | No |
| * | Refined Petroleum Solvent | * | TLV-350 mg/cu m (NIOSH) | No |

SECTION 3: SARA TITLE III/SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of CFR 372:

| CAS # | CHEMICAL NAME | PERCENT BY WEIGHT |
|-------|---------------|-------------------|
|-------|---------------|-------------------|

This product contains no 313 chemicals.

SECTION 4: HEALTH HAZARD DATA AND FIRST AIDOccupational Exposure Limit:
Not EstablishedCarcinogenicity: Not established, but none of
the ingredients are considered carcinogenic.Primary Routes of Entry: Skin,
inhalation.

| SYMPTOMS AND EFFECTS OF OVEREXPOSURE | ROUTE OF ENTRY | EMERGENCY AND FIRST AID PROCEDURES |
|--|----------------|---|
| Force of released product may damage the eye. | Eyes | Immediately flush with large amounts of water for at least 15 minutes. If the irritation persists, get medical attention. |
| Prolonged or repeated exposure may cause irritation and reddening of the skin. | Skin | Immediately flush affected areas with water. Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, get medical attention. |
| Excessive inhalation can cause nasal and respiratory irritation, headaches and nervous system depression (fatigue, dizziness, loss of coordination). | Inhalation | Remove affected person to fresh air. Give oxygen, if necessary. If breathing has stopped administer artificial respiration and get medical attention immediately. |
| Can cause stomach irritation, resulting in nausea, cramps and vomiting. Can also cause nervous system depression (fatigue, dizziness, loss of coordination). | Ingestion | Do NOT induce vomiting. Keep affected person warm and quiet and get medical attention immediately. |

Acute Oral LD(50) > 5 g/kg (rats). Acute Dermal LD(50) > 2 g/kg (rabbits). Acute inhalation LC(50) > 5.12 mg/L-air.

SECTION 5: SPECIAL PROTECTION INFORMATION

EYE PROTECTION: Not Necessary, if used properly.

PROTECTIVE CLOTHING: Avoid contact with skin and clothing.

VENTILATION: Mechanical ventilation may be useful when using this product in enclosed spaces.

RESPIRATORY PROTECTION: Not necessary, if used properly.

OTHER PROTECTIVE EQUIPMENT: None.

SECTION 6: STORAGE AND SPECIAL HANDLING

Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Store away from heat, ignition sources and strong oxidizers. Do not contaminate water, feed or food by storage, handling, application or disposal. Do not puncture or incinerate container. Do not spray towards face. Read and follow all precautions and instructions on the product label.

SECTION 7: SPILL OR LEAK PROCEDURES

PRECAUTIONS IN CASE OF SPILLS OR LEAK: Eliminate all ignition sources. Contain the spill. Soak up the spill with an appropriate absorbent and transfer into waste container for proper disposal. Clean spill area with detergent and water.

WASTE DISPOSAL METHOD: Contaminated absorbent and wash water should be disposed of according to local, state and federal regulations.

RCRA/CERCLA HAZARDOUS WASTE: CERCLA RQ-value for pyrethrins is 1 lb.

SECTION 8: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Flash point of non-volatiles is 172°F (Tag Closed Cup).

FLAMMABLE LIMITS: Not Established

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heating the aerosol container may build up pressure, causing it to burst.

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 spray. Contain run-off (if possible) for disposal.

SECTION 9: STABILITY DATA

STABILITY: Stable XXX Unstable ____

INCOMPATIBILITY (CONDITIONS TO AVOID): Avoid heat and open flames. Do not puncture aerosol container.

HAZARDOUS DECOMPOSITION PRODUCTS: Unknown.

HAZARDOUS POLYMERIZATION: Will not occur XXX May occur ____

SECTION 10: PHYSICAL DATA

APPEARANCE: Non-volatiles are a pale yellow-colored liquid.

SPECIFIC GRAVITY (@ 20° CENTIGRADE): 0.968 for non-volatiles.

ODOR: Odor of petroleum solvent.

BOILING POINT: Not established.

SOLUBILITY IN WATER: Non-volatiles are an emulsion.

SECTION 11: ADDITIONAL COMMENTS

None.

NOTICE: The information herein is given by DVM Pharmaceuticals, Inc. in good faith, but no warranty, expressed or implied is made.