I. CHEMICAL PRODUCT IDENTIFICATION:

TRADE NAME: PYLON® miticide

CHEMICAL NAME: 4-bromo-2-(4-chlorophenyl) -1-(ethoxymethyl)-5-(trifluoromethyl) -H-pyrrrole-3-carbonitrile

SYNONYM: Chlorfenapyr

FORMULA: C(15)H(11) Br Cl F(3) N(2) O

MOL WT: 407.6

II. INGREDIENTS:

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NO.</th>
<th>% PEL/TLV - SOURCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>7.5 None established</td>
</tr>
<tr>
<td>Inerts</td>
<td>N/A</td>
<td>71.06 None established</td>
</tr>
</tbody>
</table>

SARA Title III Section 313: Not listed

III. PHYSICAL DATA:

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>PROPERTY</th>
<th>PROPERTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING/MELTING POINT</td>
<td>760 mm Hg</td>
<td>Similar to water</td>
</tr>
<tr>
<td>PH</td>
<td>6.5 - 7.2</td>
<td>2% dispersion</td>
</tr>
<tr>
<td>VAPOR PRESSURE mmHg @ 20°C</td>
<td>N/D</td>
<td></td>
</tr>
<tr>
<td>SPECIFIC GRAVITY OR BULK DENSITY</td>
<td>1.1 g/mL @ 20°C</td>
<td></td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>Forms a suspension</td>
<td></td>
</tr>
<tr>
<td>APPEARANCE</td>
<td>Off-white to tan liquid</td>
<td></td>
</tr>
<tr>
<td>ODOR</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>INTENSITY</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

IV. FIRE AND EXPLOSION DATA:

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>PROPERTY</th>
<th>PROPERTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLASH POINT (TEST METHOD)</td>
<td>N/D</td>
<td></td>
</tr>
<tr>
<td>AUTOIONG TEMPERATURE</td>
<td>N/D</td>
<td></td>
</tr>
<tr>
<td>FLAMMABILITY LIMITS IN AIR (% BY VOL)</td>
<td>LOWER: N/D UPPER: N/D</td>
<td></td>
</tr>
</tbody>
</table>

NFPA 704 HAZARD CODES:

- HEALTH: N/R
- FLAMMABLE: N/R
- INSTABILITY: N/A
- OTHER: N/A

NFPA 30 STORAGE CLASSIFICATION: N/R

EXTINGUISHING MEDIUM: Use water fog, foam, CO(2), or dry chemical extinguishing media.

SPECIAL FIREFIGHTING PROCEDURES:

Firefighters should be equipped with self-contained breathing apparatus and turnout gear. Control run-off water - if water enters drainage system, notify authorities downstream.

UNUSUAL FIRE EXPLOSION HAZARDS: None known.

SELECT ACRONYM KEY:

N/A: Not available
N/D: Not determined
N/R: Not rated
N/E: Not established

V. HEALTH DATA

TOXICOLOGICAL TEST DATA:

Data for the formulated product:

- Rat (male), Oral LD50 (calculated) = 560 mg/kg
- Rat (female), Oral LD50 (calculated) = 567 mg/kg
- Rabbit (combined), Dermal LD50 > 2000 mg/kg
- Rat (male), Inhalation LC50 (4 hr) = 1.3 mg/L
- Rat (female), Inhalation LC50 (4 hr) = 2.4 mg/L
- Rat (male), Inhalation LC50 (1 hr - calculated) = 5.2 mg/L
- Rat (female), Inhalation LC50 (1 hr - calculated) = 9.6 mg/L
- Rabbit, Eye Irritation - Non-irritating
- Rabbit, Skin Irritation - Non-irritating
- Guinea pig, Dermal Sensitizer - Not a sensitizer

OSHA, NTP, or IARC Carcinogen: Not listed.

EFFECTS OF OVEREXPOSURE:

See Product Label and Directions For Use for additional precautionary statements.

CAUTION! Keep out of reach of children.

Avoid contact with skin and eyes. Do not breathe sprays or mists.

Existing medical conditions aggravated by this product: None known.

FIRST AID PROCEDURES:

If swallowed: 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 by a poison control center or doctor. Do not give anything to an unconscious person.

If on skin or clothing: 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.

If inhaled: 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.

If in eyes: Immediately hold eyelids open and flush with a steady, gentle stream of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Note to physician: Treat symptomatically. No specific antidote.

Note: Have the product container or label with you when calling a poison control center or doctor or going for treatment.
MATERIAL SAFETY DATA SHEET

PYLON® miticide
EPA Registration Number: 241-374-59807

VI. REACTIVITY DATA

STABILITY

Stable. Do not store below 32°F Avoid heat and sunlight.

CONDITIONS TO AVOID

Store in original container in cool, dry, well-ventilated place away from ignition sources, heat or flame.

CHEMICAL INCOMPATIBILITY

Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Including oxides of carbon and nitrogen: HCl, HF, HBr

HAZARDOUS POLYMERIZATION

Does not occur.

CONDITIONS TO AVOID

Does not polymerize.

CORROSIVE TO METAL

No

OXIDIZER

No

VII. PERSONAL PROTECTION

PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions For Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

Respiratory Protection

Supplied air respirators should be worn if large quantities of mist are generated or prolonged exposure possible.

Eye Protection

Chemical goggles when respirator does not provide eye protection.

Protective Clothing

Gloves and protective clothing as necessary to prevent skin contact.

Ventilation

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

VIII. ENVIRONMENTAL DATA

ENVIRONMENTAL TOXICITY DATA

Based on standard laboratory tests on this formulation and the active ingredient chlorfenvapryl, this product is very toxic to fish, aquatic invertebrates, and honeybees, and toxic to algae.

SARA 311/312 REPORTING


SPILL AND LEAK PROCEDURES

In case of large scale spillage of this product, avoid contact, isolate area and keep out animals and unprotected persons. Call CHEMTREC (800-424-9300) or BASF Corporation (800-832-HELP). For a small spill, wear personal protective equipment as specified on the label.

FOR A LIQUID SPILL

Dike and contain the spill with inert material (sand, earth, etc.) and transfer the liquid and solid diking materials to separate containers for disposal.

FOR A SOLID SPILL

Sweep solid into a drum for re-use or disposal. Remove personal protective equipment and decontaminate it prior to re-use.

HAZARDOUS SUBSTANCE SUPERFUND

No

RQ(lbs)

None

WASTE DISPOSAL METHOD

Pesticide wastes are acutely hazardous. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix or rinse is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

HAZARDOUS WASTE

40CFR261

No

HAZARDOUS WASTE NUMBER

None

CONTAINER DISPOSAL

Empty containers or liners may retain some product residues. DO NOT REUSE. Rinse the container or liner as needed for disposal. Render it unusable by crushing or puncturing. Dispose of the container and any rinse in a safe manner. Follow all applicable community, national or regional regulations regarding waste management methods.

IX. SHIPPING DATA - PACKAGE AND BULK

D.O.T. PROPER SHIPPING NAME (49CFR172.101-102):

HAZARDOUS SUBSTANCE

(49CFR CERCLA LIST)

RQ(lbs)

None

D.O.T. HAZARD CLASSIFICATION

(CFR 172.101-102)

PRIMARY SECONDARY

D.O.T. LABELS REQUIRED (49CFR172.101-102):

D.O.T. PLACARDS REQUIRED (CFR172.504)

POISON CONSTITUENT (49CFR172.203(K))

BILL OF LADING DESCRIPTION

This section has been left blank intentionally.

CC NO.

Not applicable

UN/NA CODE

None

X. ADDITIONAL INFORMATION

PYLON® miticide EPA Reg. No. 241-374-59807

CAUTION

KEEP OUT OF REACH OF CHILDREN

Complete Label and Directions For Use are attached to the product.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under ‘Agricultural Use Requirements’ in the Directions for Use section for information about this standard.

DISCLAIMER

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OHP 986200 0301 MSDS