

MATERIAL SAFETY DATA SHEET

Hi-Yield Pest Control Concentrate

DATED: July 1, 2006

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): Hi-Yield Pest Control Concentrate
EPA Registration Number: 73049-154-7401

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| MANUFACTURER: Voluntary Purchasing Groups Inc. P.O. Box 460 Bonham, Tx. 75418 Ph: 903-583-5501 FAX: 903-583-7124 | EMERGENCY TELEPHONE NUMBERS: MANUFACTURER: 903-583-5501 TRANSPORTATION (24 HOURS) |
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SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

| COMPONENT | CAS No. | % |
|----------------------------|------------|-----|
| Cypermethrin | 52315-07-8 | 26% |
| Aromatic petroleum solvent | 64742-94-5 | 60% |

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Health: causes substantial but temporary eye injury. Causes skin irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed, absorbed through skin or inhaled. Avoid breathing spray. Wash thoroughly with soap and water after handling. Remove contaminated clothing.

Environmental: This product is extremely toxic to fish.

POTENTIAL HEALTH EFFECTS

ROUTES OF EXPOSURE:

Inhalation, ingestions, eye and skin contact.

SIGNS & SYMPTOMS OF EXPOSURE:

May cause eye and skin irritation, nausea, vomiting, abdominal cramps, tenderness, burning/prickling skin sensations..

IMMEDIATE EFFECTS

Skin: Harmful if absorbed. Causes skin irritation.

Eyes: Causes substantial but temporary eye injury.

Inhalation: Harmful if inhaled

Ingestion: Harmful if swallowed

Delayed/Long Term Effects

Carcinogenic: Class C oncogen.

Medical Conditions Aggravated by Exposure: None Known

SECTION 4 – First Aid Measures

Skin: Wash with plenty of soap and water. Get medical attentions if irritation persists.

Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth-to-mouth. Get medical attention.

Ingestion:

Do not induce vomiting. Call a physician or Poison Control Center. Do not give anything by mouth to an unconscious person.

Not to physician:

Inducing vomiting as first aid for this substance may result in increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the hydrocarbon solvent. Vomiting should be induced only under professional supervision.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash point: > 1400F > 600C TCC

Advice on protection against fire and explosion:

FIRE AND EXPLOSION HAZARDS: Do not use near heat or open flame. Do not apply this diluted product in conduits, otor housing, junction and switch boxes or other electrical equipment because of possible shock hazard.

FIRE FIGHTING INSTRUCTIONS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear.

Suitable extinguishing media:

Carbon dioxide, dry chemical, foam or water.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Keep well ventilated. Dike area to avoid run-off. Soak up with absorbent material such as sand, earth, etc. and shovel into waste container. Dispose of with chemical waste.

SECTION 7 – HANDLING AND STORAGE

Handling:

Do not get in eyes, on skin or on clothing. Avoid breathing spray. Do not use on surfaces that can be harmed by water.

Storage:

Store product in original container and keep container closed when not in use. Do not store near food or feed. Protect from freezing.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Hygiene measures:

Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Personal protective equipment

Body protection:

Impermeable gloves.

Eye protection:

Full face shield or chemical splash-proof goggles.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to amber brown liquid.

ODOR: Strong aromatic odor.

BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid

SPECIFIC GRAVITY: 0.99 @ 250C

PACKING DENSITY: 8.24 lb/gal

SOLUBILITY (H₂O): Emulsifies

PH: 4.4

VISCOSITY: 16.6 cp @ 250C

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable

INCOMPATIBILITY:

Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, halogen, halogen acids, possible trace amounts of carbonyl halide.

HAZARDOUS POLYMERIZATION:

Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

EYE EFFECTS

Category II: corneal irritation which was reversible within 10 days.

SKIN EFFECTS

Irritation: Category II; severe dermal irritation

Absorption: LD₅₀ > 2,000 mg/kg

Sensitization: Non-sensitizing

ACUTE ORAL EFFECTS

LD₅₀: 1,100 mg/kg

ACUTE INHALATION EFFECTS

LC₅₀: 2.3 mg/L

CHRONIC (CANCER INFORMATION)

In studies with laboratory animals, cypermethrin did cause reproductive toxicity, teratogenicity, neurotoxicity or carcinogenicity in male and female rats and mice.

CARCINOGENICITY: NTP: No IARC: No OSHA: No

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION ACUTE AND LONG-TERM TOXICITY TO FISH AND INVERTEBRATES

Cypermethrin is considered highly toxic to fish and aquatic arthropods, and has LC₅₀ values which range from 0.004 ug/L to 3.6 ug/L. The aquatic arthropods tended to be some of the more sensitive species. Care should be taken to avoid contamination of the aquatic environment.

ACUTE AND DIETARY TOXICITY TO BIRDS

Cypermethrin is practically non-toxic to birds having oral

LD₅₀ values greater than 10,248 mg/kg.

ENVIRONMENTAL FATE INFORMATION

Cypermethrin is rapidly degraded in soil with a half life of 2 to 4 weeks. It is readily hydrolyzed under basic conditions but, under acidic and neutral conditions, hydrolysis half-life can be 20 to 29 days. Cypermethrin has a high affinity for organic matter and a Log Pow of 5.0; yet, because of the ease with which the material undergoes degradation, it has a very low potential for bioconcentration (BCF = 17), and is not mobile in soil.

OTHER ENVIRONMENTAL INFORMATION

SECTION 12 – ECOLOGICAL INFORMATION CONTINUED

Do not contaminate water when disposing of equipment washwaters. For terrestrial uses, do not apply directly to and body of water, or to any areas where surface water is present or to intertidal areas below mean high water mark. Care should be used when spraying to avoid fish and reptile pets by removing and covering fish tanks before spraying.

SECTION 13 – DISPOSAL CONSIDERATIONS

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office. Container Disposal: Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Containers less than one gallon: Wrap container in several layers of newspaper and discard in trash.

SECTION 14 – TRANSPORTATION INFORMATION

D.O.T. PROPER SHIPPING NAME: Pyrethroid Pesticides, Liquid, toxic, Class 6.1,
UN 3352, PG III,
RQ: NA
D.O.T. HAZARD CLASS: 6.1, PG III
U.N./N.A. NUMBER: 3352
REMARKS: DOT shipping label: Keep Away From Food
EXEMPTION REQUIREMENT: NA
NOTE: NA

SECTION 15 – REGULATORY INFORMATION

STATE REGULATIONS

The following chemicals associated with the product are subject to the right-to-know regulations in these states:
Cypermethrin (52315-07-8): MA

U.S. FEDERAL REGULATIONS

TSCA inventory status These components are not listed: Cypermethrin 26% (52315-07-8)

SARA 313 : No components listed

INTERNATIONAL REGULATIONS

Die folgende(n) Chemikalie(n), die mit dem Produkt verbundens ind, sind auch auf folgenden internationalen Listen aufgef;hrt:

Cypermethrin (52315-07-8): EINECS

Aromatic petroleum solvent (64742-94-5): CANADIAN DSL,
EINECS

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