

PF Harris Manufacturing Co., LLC
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Material Safety Data Sheet
 Issue Date: 3/22/10
 Product Name: Harris Home Pest Control
 Concentrate
 EPA Registration Number 3-12

SECTION I – EMERGENCY CONTACT:

Within the USA 877-315-9819
 Outside the USA 651-632-6184

SECTION II –HAZARDOUS INGREDIENTS:

Component	CAS #	TLV (ppm)	% (in prod.)
Cypermethrin*	(52315-07-8)	100	26
Inert ingredients containing**	no CAS #	NA	74
Aromatic hydrocarbon	64742-94-5	100	>60
Naphthalene	91-20-3	10	>6

* Active Ingredient - Synthetic Pyrethroid

** Other ingredients, which are maintained as trade secrets, are any substances other than an active ingredient contained in this product. Some of these may be hazardous, but their identity is withheld because they are considered trade secrets. The hazards associated with the other ingredients are addressed in this document. Specific information on other ingredients for the management of exposures, spills, or safety assessments can be obtained by a treating physician or nurse by calling **(877) 315-9819** (within the United States) or **(651) 632-6184** (outside the United States) at any time.

SECTION III – HEALTH HAZARD:

EMERGENCY OVERVIEW

- Harmful if swallowed, inhaled or absorbed through skin.
- Do not get in eyes, on skin or on clothing.
- Causes substantial but temporary eye irritation.
- Avoid breathing vapors or spray mist.
- Extremely toxic to fish and aquatic organisms.
- Keep out of reach of children.

POTENTIAL HEALTH EFFECTS

Acute Toxicity (Primary Routes of Exposure): Inhalation, ingestion, eye and skin contact.

Signs and Symptoms of Systemic Effects: May cause eye and skin irritation, nausea, vomiting, abdominal cramps, tenderness, burning/prickling skin sensations.

May cause gastrointestinal effects such as nausea, vomiting and diarrhea. Inhalation of high vapor or mist concentrations

Can cause respiratory tract and eye irritation as well as central nervous system effects (drowsiness, dizziness, nausea, headaches, and loss of consciousness) including death.

Acute Eye Contact: Causes substantial but temporary eye injury. Adverse health effects resulting from an exposure may include redness, swelling and pain which could last for an extended period of time.

Acute Skin Contact: This product is harmful if absorbed through the skin. The expected adverse health effects resulting from an exposure may include redness and possibly some minor swelling. This product may cause allergic skin reactions. In sensitized individuals even small exposures can trigger allergic reactions. The expected adverse health Effects may include itching, redness, swelling and blistering of the skin. This product contains a pyrethroid. Skin contact with pyrethroids can result in a temporary burning, tingling or itching sensation.

Acute Ingestion: Harmful if swallowed.

Acute Inhalation: Harmful if inhaled. Exposure to high concentrations in the air may result in respiratory irritation. Signs and symptoms may include, but not be limited to, nasal discharge, sore throat, coughing and difficulty in breathing.

Chronic Toxicity (including cancer): This product contains naphthalene which has been listed by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). Cypermethrin is considered to have a low oncogenic potential.

Potentially Aggravated Medical Conditions: Individuals with allergy history or pre-existing dermatitis should use extra precautions in handling this product. For complete discussion of the toxicology data from which this evaluation was made, refer to Section 11. For Regulatory Information, refer to Section 15.

SECTION IV – FIRST AID MEASURES

EYE CONTACT:

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 CONTACT:

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:

Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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.

NOTES TO PHYSICIAN:

This product is a synthetic pyrethroid pesticide. If ingested and vomiting has not occurred, emesis should be induced with supervision. Keep patient's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or

unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

Contains petroleum distillates - vomiting may cause aspiration pneumonia.

Do not administer milk, cream or other substance containing vegetable or animal fats, which enhance the absorption of lipophilic substances.

If localized paresthesia develops, the site should be thoroughly washed with soap and water.

Cold cream can be applied to help diminish the effect.

SECTION V – FIRE AND EXPLOSION DATA:

FLASH POINT: > 140° F (> 60° C)

FLASH POINT METHOD: TCC

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam or water. Soft stream water fog only if necessary.

Contain all runoff.

NFPA RATING:

Health: 2

Flammability: 2

Reactivity: 0

Special: None

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using professional judgement. Values

were not available in the guidelines or published evaluations prepared by the National Fire Protection Association, NFPA.

FIRE & EXPLOSION HAZARDS: Combustible. Do not use or store near heat or open flame. Do not use this product in or on electrical equipment due to possibility of shock hazard.

SECTION VI – ACCIDENTAL RELEASE MEASURES:

Stop the source of the spill if safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water. For additional spill response information refer to the North American Emergency Response Guidebook.

FOR SPILLS OR LEAKS:

CONTAINMENT:

Small spills: Absorb with an inert absorbent material such as sand, granular clay, sawdust, Fuller's earth, etc. Place in an approved chemical waste container for disposal. Where possible, drum should be oriented to prevent further

leakage. Do not allow spilled material to enter any body of water.

Large Spills: Eliminate all ignition sources. Ventilate area. Stop leak if you can do so without coming into contact

with spilled material. Dike far ahead of the spill for later disposal. All equipment used to clean up spill should be

grounded. Prevent entry into waterways, sewers, basements, or confined areas. Inform appropriate authorities

immediately if contamination occurs.

CLEANUP: Rinse spill area with small amount of soapy water. Contain and absorb the rinsate with inert absorbents

and place into the same disposal container. Area can be washed with water to remove the last trace of residue. Do

not allow water to contaminate water supplies or sewers.

Recommended neutralizing agent: dilute alkaline (base) solution.

SECTION VII – HANDLING AND STORAGE PROCEDURES:

HANDLING PRECAUTIONS: Causes substantial but temporary eye injury. Causes skin irritation.

Do not get in eyes, on

skin, or on clothing. Wear goggles, face shield or safety glasses. Harmful if swallowed, inhaled, or absorbed through

skin. Avoid breathing vapors or spray mist.

Combustible. Do not use or store near heat or open flame. Do not apply this diluted product in conduits, motor housings,

junction and switch boxes or other electrical equipment because of possible shock hazard.

STORAGE: Do not contaminate water, food or feed by storage or disposal. Keep container tightly closed. Keep only in

original container. Do not store near food or feed. Do not store near heat or open flame.

WORK/HYGIENIC PRACTICES: Wash thoroughly with soap and water after handling and before eating, drinking,

chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

SECTION VIII EXPOSURE CONTROLS, PERSONAL PROTECTION:

RESPIRATORY PROTECTION: Use this material only in well ventilated areas. Unless ventilation is adequate to keep

airborne concentrations below recommended exposure standards, approved respiratory protection should be worn.

SKIN PROTECTION: Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing

including chemical-resistant gloves.

ENGINEERING CONTROLS: Control airborne concentrations below appropriate exposure guidelines. Use local exhaust

ventilation.

OTHER/GENERAL PROTECTION: Wash thoroughly with soap and water after handling and before eating, drinking,

chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

Eye wash facility and

safety shower should be available.

SECTION IX – PHYSICAL AND CHEMICAL DATA:

PHYSICAL STATE: Liquid

COLOR: Clear to amber brown

ODOR: Strong aromatic

SPECIFIC GRAVITY: 0.99 @ 25° C; 8.24 lb/gal

pH: 4.4

VISCOSITY: 16.6 cps @ 25° C

SOLUBILITY: Emulsifiable in water.

SECTION X – REACTIVITY DATA:

CHEMICAL STABILITY: Stable at normal ambient temperatures.

INCOMPATIBILITY: Strong acids and oxidizing agents

OXIDATION/REDUCTION PROPERTIES: Product does not have the potential to act as a strong oxidizing or reducing agent.

EXPLODABILITY: Not expected to be explosive.

HAZARDOUS POLYMERIZATION : Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials such as: Carbon dioxide, carbon

monoxide, various hydrocarbons, etc.

CONDITIONS TO AVOID: High and freezing temperatures. Excessive heat and sources of ignition.

SECTION XI TOXOLOGICAL INFORMATION

ACUTE (Product Specific Information):

This product has moderate oral and low dermal and inhalation toxicity. It is mildly irritating to the eyes and minimally irritating to the skin.

EPA Tox Category III

Inhalation Toxicity LC₅₀ (rats)

1,100 mg/kg

2.30 mg/L EPA Tox Category IV

EPA Tox Category III

Dermal Toxicity LD₅₀

Oral Toxicity LD₅₀ (rats)

TOXICITY OF ACTIVE INGREDIENTS: Cypermethrin

Acute Effects from Overexposure: Large doses of cypermethrin ingested by laboratory animals produced signs of toxicity including loss of motor control, tremors, decreased activity, urinary incontinence, incoordination, increased sensitivity to sound, and convulsions. Experience to date indicates that contact with cypermethrin may produce skin sensations such as numbing, burning or tingling. These sensations are reversible and usually subside within 12 hours.

CHRONIC/CARCINOGENICITY: Liver enlargement is often noted in laboratory animals that have ingested large doses of cypermethrin during their life span.

Cypermethrin was not carcinogenic in male or female rats or male mice. However, it caused an increase in benign lung tumors in female mice at 1600 ppm in the diet. The EPA concluded on a weight of evidence approach the cypermethrin represents a low oncogenic potential to female mice at this dose level (approximately 228 mg/kg/day).

REPRODUCTION: In studies with laboratory animals, cypermethrin did not cause reproductive toxicity.

DEVELOPMENTAL TOXICITY: In studies with laboratory animals, cypermethrin did not cause teratogenicity.

MUTAGENICITY: An overall absence of genotoxicity has been demonstrated in tests of mutagenicity, DNA damage and chromosome aberrations.

CARCINOGENICITY: NTP: Not listed; IARC: Not listed; OSHA: Not listed; ACGIG: Not listed

SECTION XII 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.

AVIAN Cypermethrin is slightly toxic to birds and oral LD₅₀ values are greater than 10,248 mg/kg.

ENVIRONMENTAL FATE: Cypermethrin is rapidly degraded in soil with a half-life of 2 to 4 weeks. It is readily hydrolyzed under basic conditions (pH = 9), 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:

This product is extremely toxic to fish and aquatic invertebrates. Do not contaminate water when disposing of equipment washwaters. For terrestrial uses, do not apply directly to any 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 or reptile pets by removing or covering fish tanks before spraying.

SECTION XIII DISPOSAL CONSIDERATIONS

END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL

RECOMMENDATIONS.

PRODUCT DISPOSAL:

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

CONTAINER DISPOSAL:

CONTAINERS ONE GALLON AND UNDER:

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

CONTAINERS OVER ONE GALLON:

Plastic: 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.

Metal: 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.

DISPOSAL METHODS:

Do not contaminate water, food or feed by disposal. Do not reuse empty container.

SECTION XIV TRANSPORT INFORMATION

UN/NA NUMBER: 3082

DOT (ground) SHIPPING NAME: Environmentally hazardous substance, liquid, n.o.s.

TECHNICAL NAME (hazardous material): (Cypermethrin)

HAZARD CLASS: 9

PACKING GROUP: III

DOT REPORTABLE QUANTITY (RQ): None

REMARKS: Marine pollutant when shipped in bulk or non-bulk by water.

Keep away from food.

EXEMPTION REQUIREMENT: 49 CFR 173.155

SECTION XV REGULATORY INFORMATION

PESTICIDE REGULATIONS: All pesticides are governed under FIFRA (Federal Insecticide, Fungicide, and Rodenticide

Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and

applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

U.S. FEDERAL REGULATIONS:

Chemical Name RCRA - U Series Wastes Clean Water Act - Hazardous Substances

Clean Water Act Section

307

Cypermethrin* (52315-07-8) None Not listed Not listed

Naphthalene (91-20-3) Listed Listed Listed

Aromatic Hydrocarbon (64742-94-5) None Not listed Not listed

CWA Section 311: A component of this product is classified as an oil under Section 311 of the Clean

Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills that produce a visible sheen on either surface or in waterways/sewers that lead to surface water must be reported to the National Response Center at 800-424-8802.

Chemical Name SARA 313 Chemicals SARA Section 302 CERCLA Reportable

Quantity (RQ):

Cypermethrin* (52315-07-8) Not listed Not listed None

Naphthalene (91-20-3) 1.0% de minimus concentration

Not listed 100 lb. naphthalene

Aromatic Hydrocarbon (64742-94-5) Not listed Not listed None

SARA (311, 312):

Immediate Health: Yes

Chronic Health: Yes

Fire: Yes

Sudden Pressure: No

Reactivity: No

Chemical Name IARC - Group 1

(carcinogenic to humans)

IARC - Group 2A

(Probably carcinogenic)

IARC - Group 2B

(Possibly carcinogenic)

NTP Carcinogen List

Cypermethrin* (52315-07-8) No No No Not listed

Naphthalene (91-20-3) No No No Suspect Carcinogen

Aromatic Hydrocarbon (64742-94-5) No No No Not listed

STATE REGULATIONS:

Each state may promulgate standards more stringent than the federal government. This section cannot encompass an

inclusive list of all state regulations. Therefore, the user should consult state or local authorities.

The state regulations

reviewed include: California Proposition 65, California Directors List of Hazardous Substances, Massachusetts Right to

Know, Michigan Critical Materials List, New Jersey Right to Know, Pennsylvania Right to Know, Rhode Island Right to

Know and the Minnesota Hazardous Substance list. For Washington State Right to Know, see Section 2 for Exposure

Limit information. For Louisiana Right to Know refer to SARA information listed under U.S.

Regulations above.

Chemical Name California Proposition 65 California - Directors List of Hazardous Substances NJ Environmental Hazardous Substances List

Cypermethrin* (52315-07-8) Not listed Not listed Not listed

Naphthalene (91-20-3) Carcinogen, initial date

4/19/02

Listed Listed

Aromatic Hydrocarbon (64742-94-5) Not listed Not listed Not listed

Chemical Name MI - Critical Materials List MA Right To Know NJ Right To Know

Cypermethrin* (52315-07-8) Not listed Listed Not listed

Naphthalene (91-20-3) Not listed Listed Listed

Aromatic Hydrocarbon (64742-94-5) Not listed Not listed Not listed

Chemical Name PA Right To Know RI Right To Know MN Hazardous Substance

Cypermethrin* (52315-07-8) Not listed Not listed Not listed

Naphthalene (91-20-3) Listed Listed Listed

Aromatic Hydrocarbon (64742-94-5) Not listed Not listed Not listed

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer.

CHEMICAL INVENTORY INFORMATION:

TSCA Inventory List - Registered pesticide, exempt from TSCA.

SECTION XVI OTHER INFORMATION

To the best of our knowledge information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

