

1. Product and company identification

Product name : Country Vet Metered Insecticide Fly Spray
Product code : 34-2050CVA **Product use** : Insecticide.
Supplier/Manufacturer : Amrep, Inc
 990 Industrial Park Drive
 Marietta, GA 30062
Telephone number : (770) 422-2071 (Mon - Fri / 8a - 5p ET)
D.O.T. Emergency phone : CHEM TEL (800) 255-3924 INTERNATIONAL: +01-813-248-0584
Date of issue : 09/11/14 **Date of previous issue** : 05/22/12

2. Hazards identification

Emergency overview

HMIS: Section 15

Signal word : CAUTION

Hazard statements : HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED. CONTENTS UNDER PRESSURE.

Potential Health Effects : See Section 11 for more detailed information on health effects and symptoms.

Routes of entry : Dermal contact. Eye contact. Inhalation.

Eyes: May cause eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

Skin: Harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, or reddening.

Ingestion: Unlikely in this form. Harmful if swallowed. Exposure can cause stomach pains, vomiting and diarrhea.

Inhalation: Avoid direct inhalation of spray. May cause irritation of respiratory tract, coughing, shortness of breath.

Chronic effects : Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection. Prolonged or repeated contact may dry skin and cause irritation.

Medical conditions aggravated by over-exposure : Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

Target organs : Contains material which may cause damage to the following organs: heart, upper respiratory tract, skin, eyes, central nervous system (CNS).

See toxicological information (Section 11)

3. Composition/information on ingredients

Name	CAS number	%
Distillates (petroleum), hydrotreated light	64742-47-8	40 - 50
Hydrofluorocarbon 152a; 1,1-difluoroethane	75-37-6	25 - 35
Butane	106-97-8	10 - 20
White mineral oil (petroleum)	8042-47-5	1 - 5
N-octyl bicycloheptene dicarboximide; N-(2-ethylhexyl)-8,9,10-trinorborn-5-ene-2,3-dicarboximide	113-48-4	3.05
Piperonyl butoxide; 2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether	51-03-6	1.95
Pyrethrins and Pyrethroids	8003-34-7	0.975

4. First aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call medical attendant, medical doctor, or poison control center.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Call medical attendant, medical doctor, or poison control center.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Call medical attendant, medical doctor, or poison control center.
- Ingestion** : Call medical doctor or poison control center immediately. Do not induce vomiting unless directed to do so by medical personnel. Do not use water. Never give anything by mouth to an unconscious person.
- Notes to physician** : Vomiting increases risk of chemical pneumonia or pulmonary edema caused by aspiration of hydrocarbon solvents.

5. Fire-fighting measures

Flammability of the product : CONTENTS UNDER PRESSURE. In a fire or if heated, a pressure increase will occur and the container may burst. Bursting aerosol containers may be propelled from a fire at high speed.

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire. Cool closed containers exposed to fire with water. Fire-fighters should wear appropriate protective equipment.

Not suitable : None known.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
halogenated compounds
carbonyl halides

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions : In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods for cleaning up : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7. Handling and storage

Handling : Put on appropriate personal protective equipment (see Section 8). Keep away from food, drink and animal feeding stuffs. Keep away from heat, sparks and flame. Avoid breathing vapors, spray or mists. Avoid contact with eyes. Use only with adequate ventilation. Observe label precautions. Wash thoroughly after handling.

Storage : CONTENTS UNDER PRESSURE. Do not puncture, incinerate or store the container at temperatures above 120°F or in direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

8. Exposure controls/personal protection

Ingredient	Exposure limits
Distillates (petroleum), hydrotreated light	ACGIH TLV (United States, 3/2012). Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours. AIHA WEEL (United States, 10/2011). TWA: 1000 ppm 8 hours. OSHA PEL 1989 (United States, 3/1989). TWA: 800 ppm 8 hours. TWA: 1900 mg/m ³ 8 hours. NIOSH REL (United States, 1/2013). TWA: 800 ppm 10 hours. TWA: 1900 mg/m ³ 10 hours. ACGIH TLV (United States, 3/2012). TWA: 1000 ppm 8 hours. ACGIH TLV (United States, 3/2012). TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction NIOSH REL (United States, 1/2013). TWA: 5 mg/m ³ 10 hours. Form: Mist STEL: 10 mg/m ³ 15 minutes. Form: Mist OSHA PEL (United States, 6/2010). TWA: 5 mg/m ³ 8 hours.
Hydrofluorocarbon 152a; 1,1-difluoroethane	
Butane	
White mineral oil (petroleum)	

Engineering measures : Observe use instructions.

Personal protection

HMIS: Section 15

Eyes : No special precautions are necessary if used as intended.

Respiratory : No special protective clothing is required.

: Avoid direct inhalation of spray. Use with adequate ventilation.

9. Physical and chemical properties

Physical state	: Liquid. [Aerosol.]
Color	: Colorless.
Odor	: Mild. Pleasant. Spicy.
Relative density	: 0.84
Vapor pressure	: 510.2 kPa (3827 mm Hg) [20°C]
Solubility	: Insoluble in the following materials: cold water and hot water.
VOC (Consumer)	: 18.6 % (w/w) 1.31 lbs/gal (157.5 g/l)

10. Stability and reactivity

Chemical stability : The product is stable.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame).

Keep away from heat, sparks and flame. Incompatible with some alkalis and acids.

Hazardous decomposition products : carbon oxides (CO, CO₂)

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

11. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Butane Distillates (petroleum), hydrotreated light	LC50 Inhalation Vapor	Rat	658000 mg/m ³	4 hours
	LC50 Inhalation Vapor	Rat	>6.8 mg/l	4 hours
N-octyl bicycloheptene dicarboximide; N- (2-ethylhexyl)-8,9, 10-trinorborn-5-ene-2, 3-dicarboximide	LD50 Dermal	Rabbit	2000 to 4000 mg/ kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rabbit	470 mg/kg	-
	LD50 Dermal	Rat	470 mg/kg	-
White mineral oil (petroleum)	LD50 Oral	Rat	2800 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

Skin : May cause skin irritation.

Eyes : May cause eye irritation.

Chronic toxicity

Carcinogenicity

12. Ecological information

Ecotoxicity : Water polluting material. May be harmful to the environment if released in large quantities.

Aquatic ecotoxicity


Product/ingredient name	Result	Species	Exposure
Distillates (petroleum), hydrotreated light	Acute LC50 2200 µg/l Fresh water	Fish - Lepomis macrochirus	4 days
N-octyl bicycloheptene dicarboximide; N- (2-ethylhexyl)-8,9, 10-trinorborn-5-ene-2, 3-dicarboximide	Acute EC50 2.3 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1.4 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours

13. Disposal considerations

Waste disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Waste classification : Classification: Non-hazardous waste by Characteristic.
Origin: RCRA waste.

14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	-	Consumer commodity or Limited quantity	ORM-D	-		-
IMDG Class	UN1950	AEROSOLS, non-flammable or Limited quantity	2.2	-		-

14. Transport information

PG* : Packing group

15. Regulatory information

United States

SARA Title III

:

SARA 302/304: No products were found.

CERCLA: Hazardous substances.: Pyrethrins and Pyrethroids: 1 lb. (0.454 kg);

US INVENTORY (TSCA) : All components are listed or exempted.

California Prop. 65

No products were found.

Hazardous Material Information System (U.S.A.) :

Health 1 **Flammability** 2 **Reactivity** 0

National Fire Protection Association (U.S.A.) :

Health 1 **Flammability** 2 **Instability/Reactivity** 0 **Special**

Canada

WHMIS (Classification) : Not determined.

WHMIS (Pictograms) :

CANADA INVENTORY (DSL) : Not determined

16. Other information

Notice to reader

To the best of our knowledge, the 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.