

MATERIAL SAFETY DATA SHEET
SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name:	V-One	Product Code:	EPA Reg. # 5602-203
Manufacturers Name:	HUB STATES, LLC	Chemical Family:	Aerosol Pesticide
Street Address:	112 West Carmel Drive	Emergency Phone No: INFOTRAC	800-535-5053
City, State, Zip:	Carmel, IN 46032	Revision Date:	July 2002

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	OSHA PEL	ACGIH TLV	SARA 313*	% by weight
Petroleum Distillates	64742-47-8	100 ppm	100 ppm	No	
Propellant Mixture	74-98-6/75-28-5	1000 ppm	N/E	No	
Pyrethrins	8003-34-7	5 mg		No	.50
Piperonyl Butoxide	51-03-6	N/E	N/E	Yes	1.00
N-Octyl-Bicycloheptene	113-48-4	N/E	N/E	No	1.67

*See Section 15 for more information

N/E: None established

SECTION 3 – HAZARDS IDENTIFICATION
Emergency Overview:

CAUTION: Harmful if swallowed or absorbed through skin. Do not breathe vapors or spray mist. Aspiration hazard. Can cause nervous system depression. Keep away from heat and flame. Contents under pressure. Do not puncture or incinerate container.

Routes of Entry:

Inhalation: Yes Ingestion: Yes Skin: Yes

Acute/Potential Health Effects:

Eyes: Causes severe irritation, experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.
Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin.

Inhalation: High vapor/aerosol concentrations. (>1000 ppm) are irritating to the eyes and respiratory tract. May cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. May cause peripheral nervous system disorder and/or damage.

Ingestion: Harmful or fatal if swallowed. Aspiration hazard: This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

Chronic/Long-Term Effects:

Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage.

Signs and Symptoms of Overexposure:

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

Target Organ Effects:

No data.

Reproductive/Developmental Info:

No data.

Carcinogenic Information:

This material is not listed as a carcinogen by IARC, NTP or OSHA.

HMIS Classification:

Health: 2 Flammability: 4 Reactivity: 0 Personal Protection: G

SECTION 4 – FIRST AID MEASURES
Emergency and first aid procedures:
If Inhaled:

Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Consult a physician.

Eyes:

Wash with water for 15 minutes. Consult a physician if irritation persists.

Swallowing: Call a physician or Poison Control Center immediately. Do not induce vomiting because of aspiration pneumonia hazard.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: >165° F (TCC Method)
 Flame Extension: None
 Extinguishing Media: Dry chemical, CO₂ or foam is recommended.
 Special Fire-Fighting Instructions: CAUTION: Contents under pressure. Cool exposed containers with water spray to prevent bursting. SCBA should be used whenever chemical fires are present.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all ignition sources. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

SECTION 7 – HANDLING AND STORAGE

Handling and Storage: Do not use or store near heat, sparks or open flame. Exposure to temperatures above 130° F may cause bursting. Do not puncture or incinerate container. Store in a cool, dry place. Do not get in eyes or on skin on clothing. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal. Keep out of reach of children.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: Avoid breathing spray. When required, use an organic vapor and particulate cartridge. All respiratory programs must meet OSHA's 29 CFR 1910.134 and ANSI Z98.2 requirements.
 Ventilation: Adequate ventilation. Do not remain in confined area after spraying.
 Skin Protection: Avoid contact with skin. To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene).
 Eye Protection: Avoid contact with eyes. Safety glasses recommended to avoid possible contact with eyes.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Clear, colorless, fine spray/mist with insecticide odor		
pH Concentrate:	N/A	Solubility in Water:	Insoluble
Vapor Pressure (mmHg)	N/E	Evaporation Rate (Butyl Acetate=1)	N/E
Vapor Density:	N/E	Specific Gravity (H ₂ O=1)	0.82
Boiling Point	362° F		

SECTION 10 – REACTIVITY

Stability: Stable
 Conditions to avoid: Open flames and high temperatures.
 Incompatible Materials: Strong oxidizers and acids.
 Hazardous Decomposition By-Products: CO, CO₂
 Hazardous Polymerization Conditions: None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

No data.

SECTION 12 – ECOLOGICAL INFORMATION

This product is toxic to fish and aquatic organisms.

SECTION 13 – DISPOSAL CONSIDERATIONS

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

Container Disposal: Replace cap and discard container in trash. Do not incinerate or puncture.

SECTION 14 – TRANSPORT INFORMATION

DOT (USA): Consumer Commodity ORM-D NMFC 102120
 IMDG (Vessel): Shipping Name: Aerosols Class: 2 ID# UN1950 Packaging Group: N/A

SECTION 15 – REGULATORY INFORMATION

U.S. Federal Regulations: Title III Section 313 Toxic Chemicals – 40 CFR 372.65
 State and Local Regulations: Certain states maintain their own ingredient lists which differ slightly from Federal standards. If indicated under Section 2 of this MSDS, states listed below may have regulations on ingredients contained in this product. Check with your state for any additional regulations.
 (1) California Proposition 65 (Safe Drinking Water & Toxic Enforcement Act of 1986)
 (2) Massachusetts (Hazardous Substance Disclosure by Employers)

SECTION 16 – OTHER INFORMATION

This information was compiled from current manufacturers' MSDSs of the component parts of the product.

Disclaimer: The above information pertains to this product as currently formulated and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of this product. Since conditions of use are outside our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information.

Reason for Issue: MSDS revised to comply with ANSI Z400.1-1998 16-Section MSDS Format
 Prepared by: RPT
 Approval Date: July 2002
 Supersedes Date: January 2001

EMERGENCY TELEPHONE NUMBER FOR TRANSPORTATION SPILLS – INFOTRAC 800-535-5053