

MATERIAL SAFETY DATA SHEET**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

Product Name:	V- Clear Out	Product Code:	EPA Reg. # 1021-1662-5602
Manufacturers Name:	HUB STATES, LLC	Chemical Family:	Mixture
Street Address:	156 E. Market St., Ste. 1200	Emergency Phone No: INFOTRAC	800-535-5053
City, State, Zip:	Indianapolis, IN 46204	Revision Date:	January 2001

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

	Wt.%	CAS#	EINECS#
Pyrethrins	0.5	008003-34-7	232-319-8
Piperonyl Butoxide	1	000051-03-6	200-076-7
MGK® 264 (N-Octyl Bicycloheptene Dicarboximide)	1	000113-48-4	204-029-1
Petroleum Distillate	5 – 15	064742-47-8	265-149-8
Deionized Water	45 – 55	007732-18-5	231-791-2
Liquefied Petroleum Gas	35	068476-85-7	270-703-7

COMMENTS:

Ingredients not identified are proprietary or nonhazardous. Values are not product specifications.

SECTION 3 – HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW****IMMEDIATE CONCERNS:**

CAUTION. HIGHLY FLAMMABLE. DO NOT use near heat, open flame. Shut off all ignition sources. Contents Under Pressure. Keep Away from heat and open flame. Do not expose to Temperatures above 130 F. May cause skin, eye and respiratory tract irritation. May be harmful if swallowed or absorbed through skin. ALWAYS Wear Safety Glasses and appropriate personal protective equipment when handling this product.

POTENTIAL HEALTH EFFECTS**EYES:**

Can cause temporary irritation, tearing and blurred vision.

SKIN:

Can cause mild skin irritation. Can cause a burning or prickling sensation on more sensitive areas(face, eyes, mouth). Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis.

SKIN ABSORPTION:

Can be harmful if absorbed through skin.

INGESTION:

Can cause stomach irritation, resulting in nausea, cramps and vomiting. Can cause nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.

INHALATION:

Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness

SECTION 4 – FIRST AID MEASURES

EYES:

Hold eye open and rinse slowly and gently with water for 15-20minutes. Remove contact lenses, if present after the first 5minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN:

Remove contaminated clothing and wash affected areas with large amounts of soap and water. If irritation persists, get medical attention. Wash clothing separately before reuse.

INGESTION:

If swallowed, call a physician or poison control center and seek medical attention immediately. DO NOT induce vomiting due to aspiration pneumonia hazard. Never give anything by mouth to an unconscious person.

INHALATION:

Remove affected person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention immediately.

NOTES TO PHYSICIAN:

None

SECTION 5 – FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD:

Not Applicable

FLAMMABLE CLASS:

This Aerosol is classified as HIGHLY FLAMMABLE.

EXTINGUISHING MEDIA:

Foam, carbon dioxide or dry chemical.

HAZARDOUS COMBUSTION PRODUCTS:

Under fire conditions this product may support combustion and may decompose to give off toxic gases such as carbon monoxide, carbon dioxide and nitrogen oxides.

EXPLOSION HAZARDS:

Contents under pressure. Exposure to temperatures above 130 °F / 54.4 °C can cause violent bursting.

FIRE FIGHTING PROCEDURES:

Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

LARGE SPILL:

Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to

the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent

SECTION 7 – HANDLING AND STORAGE

GENERAL PROCEDURES:

Do not use near heat, open flame or any ignition source.

HANDLING:

Contents under pressure do not puncture or incinerate. Do not use near heat or open flame or any ignition sources. Do not remain in the building during treatment and ventilate thoroughly for 30 minutes before reoccupying treated area. Wear impervious gloves such as neoprene or nitrile. Wear OSHA-approved safety glasses with side shields, goggles or face shield. Avoid breathing vapor or spray mist. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not normally required when handling this product, but recommended in the absence of proper mechanical ventilation or if necessary to avoid breathing sprays or mists of this product. Do not contaminate water, feed or food by storage, handling or disposal. READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE LABEL.

STORAGE:

Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Exposure to temperatures at or above 130 °F / 54.4 °C may cause violent bursting. Keep away from heat, ignition sources and strong oxidizers. Emptied containers may retain product residues. Keep Away from children.

STORAGE TEMPERATURE: 4.44°C (40°F) minimum to 37.8°C (100°F) maximum

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Pyrethrins	TWA		5		5		
Piperonyl Butoxide	TWA	None		None		None	
MGK® 264 (N-Octyl Bicycloheptene Dicarboximide)	TWA	None		None		None	
Petroleum Distillate	TWA					100	525
Liquefied Petroleum Gas	TWA	1000	1800	1000	1800		

ENGINEERING CONTROLS:

Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE:

Wear OSHA-approved safety glasses with side shields, goggles or face shield.

SKIN:

Wear chemically impervious gloves such as Neoprene or Nitrile and protective clothing.

RESPIRATORY:

Wear a NIOSH approved organic vapor respirator when exposure limits are being exceeded.

PROTECTIVE CLOTHING:

Wear chemically impervious gloves, such as neoprene or nitrile.

WORK HYGIENIC PRACTICES:

DO NOT SMOKE, EAT OR DRINK OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquefied gases and liquid.
ODOR:	Odor of Petroleum Distillates.
APPEARANCE:	Light yellow thick opaque emulsion.
pH:	7.0
PERCENT VOLATILE:	Less than 41%
VAPOR PRESSURE:	Not Available
VAPOR DENSITY:	Not Available.
BOILING POINT:	Not Available
FREEZING POINT:	Not Available
MELTING POINT:	Not Applicable
SOLUBILITY IN WATER:	Partially miscible in water.
EVAPORATION RATE:	Not Available
SPECIFIC GRAVITY:	0.972 (water=1) at 20°C
VISCOSITY:	3020CPS at 23°C

SECTION 10 – STABILITY AND REACTIVITY

STABLE:	YES
HAZARDOUS POLYMERIZATION:	NO
CONDITIONS TO AVOID:	Not compatible with strong acids or bases. Not compatible with strong oxidizers.

SECTION 11 – TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Produced conjunctival irritation in albino rabbit eyes. No irritation was observed in 5/6 animals by 24 hours and for 6/6 animals by 72 hours. No corneal opacity or iritis was observed during the study.

SKIN EFFECTS:

Produced a primary irritation index of .71 in albino rabbits.

SENSITIZATION:

Not considered to be a dermal sensitizes to albino guinea pigs.

SUBCHRONIC:

Not Available.

COMMENTS:

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

In a recent study, marginally higher incidences of benign thyroid, parathyroid, ovary and liver tumors were observed in rats and in lungs of mice following lifetime high dose exposures to pyrethrum. Marginally higher incidences of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The significance of these observations is questionable and under review. The doses at which tumors were observed for pyrethrum and PBO greatly exceeded potential human exposure from labeled uses.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

This product is extremely toxic to fish and other aquatic invertebrates.

SECTION 13 – DISPOSAL CONSIDERATIONS

EMPTY CONTAINER:

Replace cap when empty and offer to recycling program, if available in your area. If recycling is not available, wrap in several layers of newspaper and discard in trash.

RCRA/EPA WASTE INFORMATION:

This product contains the following RCRA/CERCLA Hazardous wastes:

Component	RCRA ID#:	Cercla RQ:
Pyrethrins	N/A	1lb.

SECTION 14 – TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME:	Consumer Commodity
PRIMARY HAZARD CLASS/DIVISION:	ORM-D
UN/NA NUMBER:	N/A
PACKING GROUP:	N/A

AIR (ICAO/IATA)

PROPER SHIPPING NAME:	Consumer Commodity
PRIMARY HAZARD CLASS/DIVISION:	9
UN/NA NUMBER:	UN8000

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME:	Consumer Commodity
PRIMARY HAZARD CLASS/DIVISION:	9
UN/NA NUMBER:	UN8000

SECTION 15 – REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
311/312 HAZARD CATEGORIES:

FIRE: YES PRESSURE GENERATING: YES REACTIVITY: NO ACUTE: YES

313 REPORTABLE INGREDIENTS:

COMPONENT	CAS#	Max %
Piperonyl Butoxide	000051-03-6	1.0

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation. (40 CFR 355).

See section 13 of this MSDS for the components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4).

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control ACT inventory reporting requirements.

SECTION 16 – OTHER INFORMATION

REASON FOR ISSUE:

Update to 16 section format.

REVISION SUMMARY

Revision #: 3

This MSDS replaces the December 15, 1998 MSDS. Any changes in information are as follows:

In Section 1

Product Code

In Section 7

Handling (text)

In Section 8

Respiratory Protection (text) Work Hygienic Practices (text) Clothing Protection (text)

In Section 11

Section 11 Footnotes

HMIS CODES

FIRE: 4

HEALTH: 1

REACTIVITY: 1

HMIS RATINGS NOTES:

We assign HMIS ratings to this product based on the hazards of its ingredients(s). Since the customer is most aware of the applications and conditions of use, he must ensure that the proper personal protective equipment is provided consistent with the information contained in sections 7 and 8 of this MSDS.

COMMENTS:

The data contained herein is based on information currently available to Hub States, LLC, and believed to be factual and the opinions expressed to be those of qualified experts; however, this data is not to be taken as a warranty or representation for which Hub States, LLC assumes legal responsibility.

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

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