

Safety Data Sheet

1 IDENTIFICATION



Product Name: Velpar L CU Herbicide
EPA Reg. No.: 61842-47
Chemical Family: Triazine

Manufacturer/Supplier: Tessenderlo Kerley Inc.
 2255 N. 44th Street, Suite 300
 Phoenix, Arizona 85008-3279
 Information:(602) 889-8300

For 24-Hour Emergency Assistance (Spill, Leak, Fire, or Exposure), Call CHEMTREC®: (800) 424-9300 (CHEMTREC)
 (866) 374-1975 (Tessenderlo Kerley)

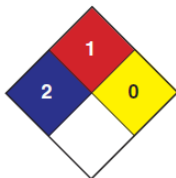
2 HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Pictogram	Hazard Statements	Precautionary Statements
	Causes serious eye damage	Wear eye protection
	Harmful if swallowed	Wash thoroughly after handling Do not eat, drink or smoke when using this product If swallowed: Call a poison control center or doctor if you feel unwell Rinse mouth

Signal word
Danger

NFPA Hazard Ratings



HMIS Ratings

HMIS Ratings		
HEALTH	2	Health = 2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture
Description: Mixture of the substance(s) listed below with nonhazardous additions.

	Component	CAS No.	% by Weight
Active Ingredient:	Hexazinone	51235-04-2	25
Other Ingredient:	Ethanol	64-17-5	40-45

4 FIRST AID MEASURES

Description of first aid measures

General information:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call toll free 1-866-374-1975. See Label for Additional Precautions and Directions for Use.

IF IN EYES: 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.

IF ON SKIN OR CLOTHING: 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.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

5 FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents:

Water spray, Dry chemical, Foam, Carbon dioxide (CO₂)

Special hazards arising from the substance or mixture

Vapors may form explosive mixtures with air.

Advice for firefighters

Protective equipment:

Full protective clothing and self-contained breathing apparatus should be worn. Use personal protective equipment. Evacuate personnel and keep upwind of fire. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Do not allow run-off from firefighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6 ACCIDENTAL RELEASE MEASURES

Review sections 5 and 7 of this Safety Data Sheet before proceeding with cleanup. Use appropriate PPE during cleanup.

Personal precautions, protective equipment and emergency procedures

Evacuate personnel, thoroughly ventilate area, and use self-contained breathing apparatus. Use personal protective equipment.

Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

If liquid has been spilled in large quantities clean up promptly by scoop or vacuum.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

7 HANDLING and STORAGE

Precautions for safe handling

Do not breathe vapor or mist. Avoid contact with skin, eyes and clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Personnel must refer to the Product Label and Directions For Use attached to the product for agricultural use requirements in accordance with the EPA Worker Protection Standard.

Information about protection against explosions and fires:

Keep protective respiratory device available.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry place.

Store in a well ventilated place.

Keep away from any sources of heat or flame.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with occupational exposure limits:

Exposure Guidelines

Exposure Limit Values

Permissible exposure limit:

Ethanol

OSHA:	1,000 ppm	1,900 mg/m ³	8 hr. TWA
ACGIH TLV:	1,000 ppm	STEL	

Additional information:

Personnel who handle this product in its end-use application should use this product only in accordance with its pesticide labeling and with the "Worker Protection Standard", 40 CFR 170.

Exposure controls

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Breathing equipment:

Use NIOSH approved, dual cartridge respirators for dusts or mists if local ventilation is inadequate (N, R or P class filter media with NIOSH approved prefix TC-84A).

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product.

Material of gloves

Butyl rubber, BR

Natural rubber, NR

Nitrile rubber, NBR

Neoprene gloves

8 EXPOSURE CONTROLS/PERSONAL PROTECTION *(cont.)*

Eye protection:

Tightly sealed goggles
 Face protection

Body protection:

Wear long-sleeved shirt and long pants, waterproof shoes and socks. Wash contaminated clothing before reuse.

9 PHYSICAL and CHEMICAL PROPERTIES

Appearance	Light yellow liquid
Odor	Alcohol-like
Vapor Pressure	33 mm Hg @ 25° C (77° F)
Specific Gravity	0.9776
Solubility (in Water)	Dispersible

10 STABILITY and REACTIVITY

Chemical stability	This is a stable material under normal temperature and storage conditions.
Possibility of hazardous reactions	Will not occur
Conditions to avoid	None known
Incompatible materials	Strong acids and bases (slowly hydrolyzes)

11 TOXICOLOGICAL INFORMATION

Acute toxicity:

LD/LC₅₀ values relevant for classification:

Oral	Rat LD ₅₀	4,120 mg/Kg
Dermal	Rabbit LD ₅₀ :	>5,000 mg/Kg
Inhalation	Rat LC ₅₀ :	>5.0 mg/L

Primary irritant effect:

on the skin

Slight irritation (rabbit)

on the eye

Corrosive (rabbit)

Sensitization:

Did not cause sensitization on laboratory animals (guinea pig)

Chronic toxicity:

Hexazinone Repeated Dose Toxicity

The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Oral Dog: Reduced body weight gain, liver effects, organ weight changes, altered blood chemistry

Oral Rat: Reduced body weight gain, organ weight changes, liver effects

Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Animal testing did not show any mutagenic effects.

Reproductive toxicity: Animal testing showed no reproductive toxicity.

Teratogenicity: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

11 TOXICOLOGICAL INFORMATION *(cont.)*

Ethanol Repeated Dose Toxicity

Oral Rat: No toxicologically significant effects were found.

Inhalation Rat: No toxicologically significant effects were found.

Mutagenicity: Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Reproductive toxicity: Animal testing showed effects on reproduction at levels equal to or above those causing parental toxicity.

Teratogenicity: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 ECOLOGICAL INFORMATION

AQUATIC TOXICITY

96 hour LC ₅₀	Bluegill sunfish:	370 mg/L
96 hour LC ₅₀	Rainbow trout:	320 mg/L
96 hour LC ₅₀	Fathead minnow:	274 mg/L

13 DISPOSAL CONSIDERATIONS

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

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14 TRANSPORT INFORMATION

UN Number:

DOT, ADR, IMDG, IATA 1170

UN Proper shipping name:

DOT Ethanol solutions
 ADR Ethanol solution
 IMDG ETHANOL SOLUTION
 IATA Ethanol

Transport hazard class(es)/Label(s):

DOT, ADR, IMDG, IATA

Class 3, Flammable Liquid



Packing group:

DOT, ADR, IMDG, IATA III

Environmental hazards:

N/A

Marine pollutant:

No

Special marking (ADR):

N/A

Special marking (IATA):

N/A

EMS Number:

F-E, S-D

15 REGULATORY INFORMATION

FIFRA: Yes

Product Name: Velpar L CU Herbicide

EPA Reg. No. 61842-47

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Safety, health and environmental regulations/legislation specific for the substance or mixture

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Toxic Release Reporting-Form R):

<u>Chemical name</u>	<u>CAS No.</u>	<u>Concentration</u>
Hexazinone	51235-04-2	25%

TSCA (Toxic Substances Control Act): Exempt from TSCA
Proposition 65

Not Listed

CERCLA/SUPERFUND:

RQ (Reportable Quantity) Not Listed

RCRA Classification

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

16 OTHER INFORMATION

Issue Date: July 25 2016

REVISIONS: New Product. SDS was formatted in compliance with HCS 29 CFR 1910.1200 Rev. 2012 and GHS Rev 05, and ANSI Z400.1.

The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information herein.

Velpar® and NovaSource® are registered trademarks of Tessenderlo Kerley, Inc. All rights reserved.