

Safety Data Sheet

1 IDENTIFICATION

Product Name: Registration No.: Chemical Family: Manufacturer/Supplier:	Velpar® DF CU Herbicide 25225 Triazine Tessengerlo Kerley Inc. 2255 N. 44 th 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 (Tessengerlo Kerley)




2 HAZARD(S) IDENTIFICATION

Hazard-determining component(s) of labeling:

Hexazinone, Sodium alkylnaphthalene sulfonate, and Sodium benzoate

Signal word: Danger

Classification of the substance or mixture

Pictogram	Hazard Statements	Precautionary Statements
	May cause damage to organs through prolonged or repeated exposure (Respiratory system, Kidney).	Do not breathe dust/spray. Wash hands and face thoroughly after handling. Do not eat, drink or smoke when using this product.
	Corrosive. Causes irreversible eye damage	Wear goggles or face shield. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or a doctor.
	Harmful if Swallowed	Wash hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. If swallowed: Call a poison center or your doctor if you feel unwell. Rinse mouth. Dispose of contents/container to in accordance with local or regional regulations.

This section includes potential acute adverse effects which could occur if this material is not used according to the label.

Skin:	May cause transient irritation with discomfort or rash.
Eyes:	May cause clouding of the eye.

Carcinogenicity

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

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	75
Other Ingredients:	Modified aromatic sulfonate salt		1-5
	Sodium alkyl naphthalene sulfonate		1.76
	Sodium benzoate	532-32-1	10-15

4 FIRST AID MEASURES

Description of first aid measures

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 centre 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.

IF INHALED:

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 centre or doctor for further treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

For medical emergencies call 1-866-374-1975 (24 hours)

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.

6 ACCIDENTAL RELEASE MEASURES *(continued)*

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).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

7 HANDLING and STORAGE

Precautions for safe handling

- **KEEP OUT OF REACH OF CHILDREN**
- Avoid contact with skin and clothing.
- Avoid breathing spray mist.
- Do not get in eyes.
- Keep container closed.
- Wear a long-sleeved shirt, long pants and shoes plus socks during application. In addition, wear chemical-resistant gloves and goggles or a face shield during mixing/loading, clean-up or repair activities and when using handheld application equipment.
- Do not enter or allow entry into treated area until 48 hours after application.

Information about protection against explosions and fires:

Keep protective respiratory device available.

Conditions for safe storage, including any incompatibilities

Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in original container. Store in a cool, dry place. Keep out of the reach of children

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with occupational exposure limits: N/A

Additional information:

Personnel who handle this product in its end-use application should use this product only in accordance with its pesticide labeling.

Exposure controls

Personal protective equipment:

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.

Protection of hands:



Protective gloves

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION *(continued)*

Material of gloves

Butyl rubber, BR
 Natural rubber, NR
 Nitrile rubber, NBR
 Neoprene gloves

Penetration time of glove material

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

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 Tan Granular
Odor	Mild, pungent
Odor Threshold	N/A
pH	8.4 @ 10 g/L 20° C (68° F)
Melting/Freezing Point	Not determined
Boiling Point	Not determined
Flash Point	Not determined
Evaporation Rate	Not determined
Flammability (Solid/Gas)	Not determined
Upper/Lower Flammability or Explosive Limits	Not determined
Vapor Pressure	Not determined
Vapor Density	Not determined
Relative Density	Not determined
Bulk Density	0.58 g/cm ³
Solubility (in Water)	Dispersible
Partition Coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined

10 STABILITY and REACTIVITY

Reactivity	Not determined
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	1,310 mg/Kg
Dermal	Rabbit LD ₅₀ :	>5,000 mg/Kg
Inhalation	Rat LC ₅₀ :	>5.2 mg/L

Primary irritant effect:

on the skin

No irritation (Rabbit)

on the eye

Corrosive (Rabbit)

Sensitization:

Did not cause sensitization on laboratory animals (guinea pig)

11 TOXICOLOGICAL INFORMATION (cont.)

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.

Sodium alkylnaphthalene sulfonate Repeated Dose Toxicity

Inhalation Rat: Respiratory tract damage, pathologic changes

Oral Rat: Kidney effects, reduced body weight gain

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.

Sodium benzoate Repeated Dose Toxicity

Oral Rat: No toxicologically significant effects were found.

Mutagenicity: Animal testing did not show any mutagenic effects. Tests on mammalian cell cultures showed mutagenic effects. Evidence suggests this substance does not cause genetic damage in cultured bacterial cells. Evidence suggests this substance does not cause genetic damage in animals.

Reproductive toxicity: No toxicity to reproduction.

Teratogenicity: Evidence suggests the substance is not a developmental toxin in animals.

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

Hexazinone

96h LC ₅₀	<i>Oncorhynchus mykiss</i> (rainbow trout)	> 320 mg/L
120h ErC ₅₀	<i>Skeletonema costatum</i> (Diatom)	0.022 mg/l
120h NOEC	<i>Skeletonema costatum</i> (Diatom)	0.0041 mg/l
48h EC ₅₀	<i>Daphnia magna</i> (Water flea)	152 mg/l

Modified Aromatic Sulfonate Salt

48h LC ₅₀	<i>Oryzias latipes</i> (Orange-red killifish)	360 mg/l
72h EC ₅₀	<i>Algae</i>	102.5 mg/l
48h EC ₅₀	<i>Daphnia</i> (water flea)	334.2 mg/l

Sodium benzoate

96h LC ₅₀	<i>Pimephales promelas</i> (fathead minnow) 484 mg/l US EPA Test Guideline OPP 72-1 Information given is based on data obtained from similar substances.	
48h EC ₅₀	<i>Daphnia magna</i> (Water flea)	> 100 mg/l
6d	NOEC Danio rerio (zebra fish)	10 mg/l

Environmental Fate

Modified Aromatic Sulfonate Salt

Biodegradability	Not readily biodegradable.
Bioaccumulation	Bioaccumulation is unlikely.

13 DISPOSAL CONSIDERATIONS

DISPOSAL:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

14 TRANSPORT INFORMATION

UN Number:

IMDG, IATA 3077

UN Proper shipping name:

IMDG ENVIRONMENTALLY HAZARDOUS
 SUBSTANCE, SOLID, N.O.S. (Hexazinone)
 IATA Environmentally hazardous substance, solid, n.o.s.
 (Hexazinone)

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

IMDG



Class 9, Marine Pollutant

IATA

Packing group:

IMDG, IATA III

Marine pollutant:

Yes

EMS Number:

F-A, S-F

Additional information:

Not regulated as a hazardous material by DOT.
 Not regulated as a hazardous material by TDG.



15 REGULATORY INFORMATION

PCP Registration#: 25225

Remarks: Regulated under the Pest Control Products Act - WHMIS exempt.

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: January 31, 2017

REVISIONS: SDS was formatted in compliance with WHMIS 2015, and GHS Rev 05.

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