

Section 1. Identification

Product identifier : VL07 - "VERT" LÉPINE SERIES

Other means of identification : Codes : 10246, 10247

Recommended use and restrictions on use : Zinc-free floor finish

Supplier identifier : Les Produits Sanitaires Lépine inc.
1105 Bersimis
Chicoutimi, Qc
G7K 1A4
Phone : 418-545-0794
www.produitslepine.com

Emergency telephone number : CANUTEC : +1-613-996-6666 or *666 (cell phone)
24/7

Section 2. Hazard identification

Hazard classification of substance or mixture : Not dangerous

Label elements

Symbol(s) : None

Signal word : None

Hazard statement(s) : None

Precautionary statement(s)

Prevention : Wash hand after handling.

Response : IF IN EYES: Rinse with plenty of water for 15 minutes. If irritation persists or develops, contact a doctor. IF SWALLOWED: Contact a poison control center or a doctor.

Storage : Not applicable.

Disposal : Dispose of contents and container in accordance with local regulations.

Section 3. Composition/information on ingredients

Substance/material : Mixture

Chemical name	Common name	% (w/w)	CAS number
Tributoxyethyl phosphate	TBEP	1 – 4	78-51-3
Diethylene glycol monoethyl ether	Glycol ether DE	1 – 5	111-90-0

Based on current knowledge of the supplier and in the concentrations applicable, no other ingredients present are classified as hazardous to health or the environment, therefore would require reporting in this section.
Occupational exposure limits, where available, are listed in section 8.

Section 4. First-aid measures

First-aid measures by route of exposure :

Eye contact : Rinse with plenty of water for 15 minutes, lifting the eyelids occasionally. Remove contact lenses, if present and easy to do. If irritation persists or develops or extends, contact a physician.

Inhalation : Remove person to fresh air. If symptoms persist, contact a doctor.

Skin contact : Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice.

Ingestion : Consult a doctor or poison center.

Most important symptoms and effects (acute or delayed)

Potential acute health effects

Eye contact : May cause eye irritation.

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Inhalation : No important effects or critical dangers known.
Skin contact : No important effects or critical dangers known.
Ingestion : No important effects or critical dangers known.

Signs/symptoms of overexposure

Eye contact : Adverse symptoms may include : pain, tearing, redness.
Inhalation : No important effects or critical dangers known.
Skin contact : Adverse symptoms may include : irritation, redness.
Ingestion : Adverse symptoms may include : stomach pains, nausea.

Immediate medical attention and special treatment, if necessary

Note to physician : Symptomatic treatment required. Contact the poison treatment specialist immediately if large amounts have been ingested or inhaled.
Specific treatments : No special treatment.
Protection of first responders : See section 8.

See toxicological information (section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media : None known.

Specific hazard arising from the hazardous product :

Hazardous combustion products : No specific risk of fire or explosion.
Precautions for fire-fighters : If heated to decomposition, may include and are not limited to carbon monoxide, carbon dioxide and phosphorus oxide.
Protective equipment for fire-fighters : No special measures are required.
 It is important that firefighters wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a positive pressure face shield.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures : Use appropriate personal protective equipment : protective clothing, gloves and eye protection (see Section 8)
Methods and materials for containment and cleaning up : Wipe or absorb with dry inert material and place in a proper container for waste elimination.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).
Advice on general hygiene at work : Refer to Section 8 for information on hygiene measures.
Conditions for safe storage (including incompatible materials) : Store in accordance with local regulations.

Section 8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits :	None
Appropriate engineering controls :	No special ventilation required.

Individual protection measures

Hygiene measures :	Observe good personal hygiene measure.
Eye / face protection :	Wear eye protection such as protective glasses.
Skin protection :	
Hand protection :	Wear gloves.
Body protection :	None required in normal use.
Other skin protection :	None required in normal use.
Respiratory protection :	None required in normal use.

Section 9. Physical and chemical properties

Appearance :	White liquid
Odour :	Characteristic
Odour threshold :	Not available
pH :	8,0 ± 0,4
Melting point/Freezing point :	± 0 °C
Initial boiling point :	± 100 °C
Flash point :	Closed cup : >93,3°C (>199,9°F)
Evaporation rate :	Not available
Flammability (solids and gases) :	Not applicable
Lower and upper flammability/explosive limit :	Not available
Vapour pressure :	Not available
Vapour density :	Not available
Relative density :	1,02 ± 0,01g/ml
Solubility :	Easily soluble in the following materials : cold and hot water
Partition coefficient n-octanol/water :	Not available
Auto-ignition temperature :	Not available
Decomposition temperature :	Not available
Viscosity :	Not available

Section 10. Stability and reactivity

Reactivity :	No specific test data to the reactivity available for this product or its ingredients.
Chemical stability :	The product is stable.
Possibility of hazardous reactions :	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid :	No specific data.
Incompatible materials :	Do not blend with acids or cationic products.
Hazardous decomposition products :	Under normal conditions of storage and use, no hazardous decomposition products should appear.

Section 11. Toxicological information

Information on toxicological effects

Toxicological data :

Name of product or ingredient	Result	Species	Dosage	Exposure	Observation
Tributoxyethyl phosphate	LD50 Oral	Rat	3000 mg/kg	-	-
	LD50 Dermal	Rabbit	>2050 mg/kg	-	-
	LC50 Inhalation	Rat	>6,4 mg/L	4 hours	-
Diethylene glycol monoethyl ether	LD50 Oral	Rat	5400 mg/kg	-	-
	LD50 Dermal	Rabbit	8300 mg/kg	-	-
	LC50 Inhalation	Rat	>200 mg/L	N/D	-

Sensitization : No data available

Mutagenicity : No data available

Carcinogenicity : No data available

Toxicity to reproduction : No data available

Teratogenicity : No data available

Systemic toxicity for some target organs No data available

– single exposure :

Target organ toxicity – repeated exposure : No data available

Route of exposure : Skin contact, eye contact, inhalation, ingestion.

Potential acute health effects

Eye contact : May cause eye irritation.

Inhalation : No important effects or critical dangers known.

Skin contact : No important effects or critical dangers known.

Ingestion : No important effects or critical dangers known.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include : pain, tearing, redness.

Inhalation : No important effects or critical dangers known.

Skin contact : Adverse symptoms may include : irritation, redness may occur.

Ingestion : Adverse symptoms may include : abdominal pain, nausea.

Delayed and immediate effects, and chronic effects from short-term and long-term exposure

Short-term exposure : No important effects or critical dangers known.

Long-term exposure : No important effects or critical dangers known.

Potential chronic health effects : No important effects or critical dangers known.

Numerical value of toxicity

Acute toxicity estimates

Route of exposure	ATE value
Oral, rat	>3000 mg/kg

Section 12. Ecological information

Ecotoxicity :

Name	Results	Species	Exposure
Not available	Not available	Not available	Not available

Persistence and degradability : Not available

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Bioaccumulative potential : Not available
Mobility in soil : Not available
Other adverse effects : Not available

Section 13. Disposal considerations

Disposal methods : It is important to minimize or avoid generation of waste wherever possible. Dispose of contents and container in accordance with all applicable local, state, and national regulations.

Section 14. Transport information

UN number : Not applicable
UN proper shipping name : Not applicable
Packing group : Not applicable
Environmental hazards : Not applicable
Special precautions : Transport with local users : Always transport in containers that are correct and secure. Ensure that persons transporting the product know what to do in case of accident or spillage.

Section 15. Regulatory information

The product classification and SDS were developed in accordance with the HPR.

Section 16. Other information

Procedure used to prepare the classification

Classification	Justification
Not dangerous	Calculation method

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Legend of abbreviations :
 ATE = Acute toxicity estimate
 SDS = Safety Data Sheet
 UN = United Nations
 HPR = Hazardous Products Regulations
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 TDG : Transportation of Dangerous Goods
 CAS : Chemical Abstract Services
 TWA : Time-Weighted Average
 STEL : Short-Term Exposure Limit
 IDLH : Immediately dangerous to life or health
 LC : Lethal Concentration
 LD : Lethal Dose
 EC : Effective Concentration

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