

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

077057128

N/A

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Name of product** Vector Premium Lubrication (VL-S)

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Identified uses

#### Sector of uses [SU]

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

#### Recommended intended purpose(s)

lubricant

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer/distributor

Vector Research and Development  
6824 19th St. #230, USA- University Place, WA 98466  
Phone 001-866-669 02 11

#### Advice

Mr. Brent Bigler Vector Research and Development  
Phone 001-972 666 0211

### 1.4. Emergency telephone number

#### Emergency advice

Mr. Brent Bigler  
Phone 001-972 666 0211

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

#### Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**

#### Precautionary Statements

#### Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Special rules for supplemental label elements for certain mixtures

Safety data sheet available on request.

### 2.3. Other hazards

#### Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### **SECTION 3: Composition/ information on ingredients**

#### **3.1. Substances**

not applicable

#### **3.2. Mixtures**

##### **Description**

Esteröl

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### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

##### **General information**

Remove contaminated soaked clothing immediately.  
In the event of persistent symptoms receive medical treatment.  
Take affected person into fresh air.

##### **In case of inhalation**

Remove the casualty into fresh air and keep him immobile.  
In the event of symptoms refer for medical treatment.

##### **In case of skin contact**

In case of irritation consult a doctor.  
In case of contact with skin wash off with water.

##### **In case of eye contact**

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.  
Remove contact lens

##### **In case of ingestion**

Do not induce vomiting.  
Medical treatment.  
Rinse out mouth thoroughly with water.

#### **4.2. Most important symptoms and effects, both acute and delayed**

No information available.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

##### **Treatment (Advice to doctor)**

Treat symptoms.

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### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Alcohol-resistant foam  
Dry fire-extinguishing substance  
Carbon dioxide  
Water spray jet

##### **Unsuitable extinguishing media**

Full water jet

#### **5.2. Special hazards arising from the substance or mixture**

Fire gas of organic material has to be classed invariably as respiratory poison.

#### **5.3. Advice for firefighters**

##### **Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.  
Breathing protection and eye protection is required for fire-fighting under presence of fume and vapour

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**Additional information**

Collect contaminated firefighting water separately, must not be discharged into the drains.

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**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**For emergency responders**

Remove persons to safety.

Use personal protective clothing.

Observe protective instructions (see Sections 7 and 8).

**6.2. Environmental precautions**

Do not discharge into the drains or bodies of water..

**6.3. Methods and material for containment and cleaning up**

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

Take up with absorbent material.

**Additional Information**

Inform competent authorities in case of leakage to sewage system/surface water/ground water.

**6.4. Reference to other sections**

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Hygiene measures**

Please observe work hygiene regulations.

**Advice on protection against fire and explosion**

Pay attention to general rules of internal fire prevention.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Keep in closed original container.

**Advice on storage compatibility**

Keep away from foods and beverages

**Further information on storage conditions**

Protect from heat and direct solar radiation.

**7.3. Specific end use(s)**

**Recommendation(s) for intended use**

See section 1.2

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**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

No information available.

**8.2. Exposure controls**

**Respiratory protection**

not necessary

Breathing apparatus in the event of aerosol or mist formation.

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#### Hand protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrilrubber (index 1)  
The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

The exact breakthrough time of the glove material is to be inquired from the protection glove manufacturer and must be strictly adhered to.

#### Eye protection

safety goggles with side protection

#### Other protection measures

Protective clothing

#### Appropriate engineering controls

Sufficient ventilation and exhaustion.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

liquid

#### Colour

yellowish

#### Odour

characteristic

#### Odour threshold

No data available

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>Boiling temperature / boiling range</b>	not determined				
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>	> 200 °C			open cup	
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	< 0,001 hPa	20 °C			
<b>Relative density</b>	0,86	20 °C			
<b>Vapour density</b>	not determined				

	Value	Temperature	at	Method	Remark
<b>Solubility in water</b>	not determined				
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity kinematic</b>	17 mm <sup>2</sup> /s	40 °C			
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	No information available.				
<b>9.2. Other information</b>	no				

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known.

### 10.2. Chemical stability

Stable under the stated storage temperature.

### 10.3. Possibility of hazardous reactions

no

### 10.4. Conditions to avoid

No information available.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

### Thermal decomposition

Remark No decomposition if used as directed.

### Additional information

No risk of production of decomposition products when appropriately handled and stored

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Specific target organ toxicity (single exposure)

no

#### Specific target organ toxicity (repeated exposure)

no

**Aspiration hazard**

no

**Additional information**

No toxicological data available.

The product is to be handled with the caution usual with chemicals.

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**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicological effects**

	Value	Species	Method	Validation
<b>Fish</b>	No data available.			
<b>Daphnia</b>	No data available.			
<b>Algae</b>	No data available.			
<b>Bacteria</b>	No data available.			

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	No data available.			
<b>Biological degradability</b>	No data available.			
<b>Degradability</b>	No data available.			

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

**General regulation**

While intended handling are no environmental pollutions admitted and to expect.

Ecological data are not available.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Recommendations for the product**

Consult the appropriate local waste disposal expert about waste disposal.

Remove in accordance with local official regulations.

**Recommendations for packaging**

Dispose of in accordance with legal regulations.

Packaging that cannot be cleaned should be disposed of like the product.

**General information**

The waste code must be allocated in compliance with the EAK-regulation referring to the specific process and the sector.

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## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

### 14.6. Special precautions for user

No information available.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

### Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

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## SECTION 15: Regulatory information

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

No information available.

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

### Sources of key data used

Data sheets of the sub-supplier.