

## 1 Identification

- **Product identifier**
- **Trade name: ALPINE CABLE PROTECT**
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Lubrication, anticorrosive  
Only for proper handling.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MOTOREX AG  
Bern-Zürich-Strasse 31, Postfach  
CH-4901 Langenthal  
Tel. +41 (0)62 919 75 75  
www.motorex.com  
  
A1 Accessory Imports  
60-62 Burchill St.  
Loganholme  
4129 QLD  
Australia  
Phone : 07 3451 1300
- **Further information obtainable from: [msds@motorex.com](mailto:msds@motorex.com)**
- **Emergency telephone number:**  
In case of a medical emergency following exposure to a chemical, call Poisons Information Centre Australia 13 11 26

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
Flam. Liq. 4 H227 Combustible liquid.  
Serious eye damage/irritation – Category 2A H319 Causes serious eye irritation.  
Repr. 2 H361 Suspected of damaging fertility or the unborn child.

- **Label elements**
- **GHS label elements**  
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS07 GHS08

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
4-hydroxy-4-methylpentan-2-one
- **Hazard statements**  
H227 Combustible liquid.  
H319 Causes serious eye irritation.  
H361 Suspected of damaging fertility or the unborn child.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.

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- P210 Keep away from flames and hot surfaces. No smoking.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 123-42-2 EINECS: 204-626-7 Index number: 603-016-00-1	4-hydroxy-4-methylpentan-2-one ----- Repr. 2, H361; Eye Irrit. 2, H319	25-50%
EC number: 939-717-7	calcium bis(di C8-C10, branched, C9 rich, Alkyl-naphthalenesulphonate) ----- Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-2.5%
CAS: 68411-46-1 EINECS: 270-128-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene ----- Repr. 2, H361	0.25-1%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Remove residues with soap and water. Call a physician if irritation persists.  
Remove contaminated clothing immediately.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Do not induce vomiting. Do not take in resorption stimulating agents.  
Consult a physician who will decide on need and method of emptying the stomach.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.

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 · **Protective equipment:** No special measures required.

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### 6 Accidental Release Measures

 · **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

 · **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

 · **Methods and material for containment and cleaning up:**

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

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

 · **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7 Handling and Storage

 · **Handling:**

 · **Precautions for safe handling** Open and handle receptacle with care.

 · **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

Do not spray onto a naked flame or any incandescent material.

 · **Storage:**

 · **Requirements to be met by storerooms and receptacles:**

Containers of product should be stored and opened in well ventilated areas away from ignition sources.

 · **Information about storage in one common storage facility:** Not required.

 · **Further information about storage conditions:**

The recommended storage temperature is (deg.C): ≤50°C

Store containers closed and protect against rain, dust, heat and other atmospheric influences.

Keep container tightly sealed.

 · **Storage class:** 10

 · **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

 · **Additional information about design of technical facilities:** No further data; see section 7.

 · **Ingredients with limit values that require monitoring at the workplace:**
**123-42-2 4-hydroxy-4-methylpentan-2-one**

 WES | Long-term value: 238 mg/m<sup>3</sup>, 50 ppm

 · **DNELs**
**123-42-2 4-hydroxy-4-methylpentan-2-one**

Oral	DNEL/general population/Systemic effects/Long-term	3.4 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	46.7 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	3.3 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	31.4 mg/m <sup>3</sup> (worker)
	DNEL/Workers/Local effects/acute-short term	240 mg/m <sup>3</sup> (worker)
	DNEL / Workers / Local Effects / Long-term	31.4 mg/m <sup>3</sup> (worker)
	DNEL/general population/Systemic effects/Long-term	5.6 mg/m <sup>3</sup> (consumer)

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**68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene**

Oral	DNEL/general population/Systemic effects/Long-term	0.04 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	0.08 mg/kg/24h (worker)
Inhalative	DNEL/general population/Systemic effects/Long-term	0.04 mg/kg/24h (consumer)
	DNEL / Workers / Systemic effects / Long-term	0.6 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	0.14 mg/m3 (consumer)

**· PNECs****123-42-2 4-hydroxy-4-methylpentan-2-one**

PNEC / Aquatic organisms / Freshwater	2 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Marine water	0.2 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	10 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	9.06 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	0.91 mg/kg (aquatic organisms)
PNEC / Terrestrial organism / Soil	0.63 mg/kg (terrestrial organisms)

**68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene**

PNEC / Aquatic organisms / Freshwater	0.0338 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Marine water	0.00338 mg/l (aquatic organisms)
PNEC/Aquatic org/intermittent releases(freshwater)	0.51 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	10 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	0.446 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	0.0446 mg/kg (aquatic organisms)
PNEC / Terrestrial organism / Soil	2.59 mg/kg (terrestrial organisms)

· **Additional information:** The lists valid during the making were used as basis.

· **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.  
 Do not inhale gases / fumes / aerosols.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.

· **Respiratory protection:**

Not necessary if room is well-ventilated.  
 Respiratory protection if formation of aerosol or mist: use mask with filter type A2, A2/P2 or ABEK.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

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

· **Eye protection:** Goggles recommended during refilling

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· **Body protection:** Protective work clothing

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### 9 Physical and Chemical Properties

· **General Information**

· **Appearance:**

· **Form:**

Fluid

· **Colour:**

Blue

· **Odour:**

typical, characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

· **Melting point/freezing point:**

Undetermined.

· **Initial boiling point and boiling range:**

Undetermined.

· **Flash point:**

72 °C

· **Flammability (solid, gas):**

Not applicable.

· **Auto-ignition temperature:**

&gt;450 °C (DIN 51794)

· **Decomposition temperature:**

Not determined.

· **Explosive properties:**

Not determined.

· **Explosion limits:**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Vapour pressure at 20 °C:**

1 hPa

· **Density at 20 °C:**

0.953 g/cm<sup>3</sup> (ASTM D 4052)

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

· **Evaporation rate**

Not determined.

· **Solubility in / Miscibility with**

· **water:**

Not miscible or difficult to mix.

· **Partition coefficient: n-octanol/water:**

Not determined.

· **Viscosity:**

· **Dynamic:**

Not determined.

· **Kinematic:**

38 mm<sup>2</sup>/s @40 °C (DIN 51562-1)

· **Solvent separation test:**

· **VOC (EC)**

32.01 %

· **Other information**

No further relevant information available.

### 10 Stability and Reactivity

· **Reactivity** No further relevant information available.

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** With strong oxidisers.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** Carbon monoxide, carbon dioxide, acetone

### 11 Toxicological Information

· **Information on toxicological effects**

· **Acute toxicity** Based on available data, the classification criteria are not met.

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· **LD/LC50 values relevant for classification:****123-42-2 4-hydroxy-4-methylpentan-2-one**

Oral	LD50	3,002 mg/kg (rat)
	NOEL	30 mg/kg/24h (rat)
	NOAEL	100-600 mg/kg/24h (rat)
Dermal	LD50	13,630 mg/kg (rab)
Inhalative	NOAEC	4.685 mg/l (rat)
	NOEC	1.041 mg/l (rat)

**68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene**

Oral	LD50	5,000 mg/kg (rat)
	NOEL	100 mg/kg/24h (rat)
	NOAEL	25 mg/kg/24h (rat)
	LOEL	125 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Suspected of damaging fertility or the unborn child.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

## 12 Ecological Information

· **Toxicity**· **Aquatic toxicity:****123-42-2 4-hydroxy-4-methylpentan-2-one**

LC50	100 mg/l/96h (fish)
LC50	100 mg/l/21d (aquatic invertebrates)
EC50	1,000 mg/l/3h (microorganisms)
EC50	1,000 mg/l/72h (algae / cyanobacteria)
EC50	100 mg/l/21d (aquatic invertebrates)
EC50	1,000 mg/l/48h (aquatic invertebrates)
NOEC	100 mg/l/21d (aquatic invertebrates)
NOEC	1,000 mg/l/72h (algae / cyanobacteria)
NOEC	1,000 mg/l/48h (aquatic invertebrates)
LOEC	100 mg/kg/28d (aquatic invertebrates)

**68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene**

LC50	100 mg/l/96h (fish)
LC0	58 mg/l/96h (fish)
LC100	100 mg/l/96h (fish)
EC50	0.271-1 g/kg/28d (sediment)
EC50	100 mg/l/24h (aquatic invertebrates)
EC50	100 mg/l/72h (algae / cyanobacteria)
EC100	100 mg/l/48h (aquatic invertebrates)
EC50	51 mg/l/48h (aquatic invertebrates)

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NOEC	0.03125-1 g/kg/28d (sediment)
	0.5-1 g/kg/28d (terrestr. macroorganisms (- arthropods))
NOEC	10-100 mg/l/72h (algae / cyanobacteria)
NOEC	10 mg/l/48h (aquatic invertebrates)
LOEC	0.0625-1 mg/l/21d (sediment)
	1 mg/l/21d (terrestr. macroorganisms (- arthropods))

- **Persistence and degradability** Biodegradability according to OECD 301 B: >60 % in 28 days
- **Behaviour in environmental systems:**

- **Bioaccumulative potential**

**123-42-2 4-hydroxy-4-methylpentan-2-one**

Partition coefficient	0.009-1.9 [---] (log Kow) (Bioaccumulation)
Biodegradability	100 % (28d) (Biodegradability) (OECD 301 A)

**68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene**

Partition coefficient	5.2-10.8 [---] (log Kow) (Bioaccumulation)
Bioconcentration factor (BCF)	1.73 BCF (Bioaccumulation)
Biodegradability	94.4 % (28d) (Biodegradability) (OECD 301 B)

- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (according to Appendix 1 AwSV): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Contact waste processors for recycling information.  
Return product and/or partially emptied container in original packaging to the point of sale or hand it over to a collection point for special waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· <b>UN-Number</b>	
· <b>ADG, ADN, IMDG, IATA</b>	Not classified as hazardous for transport
· <b>UN proper shipping name</b>	
· <b>ADG, ADN, IMDG, IATA</b>	Not classified as hazardous for transport
· <b>Transport hazard class(es)</b>	
· <b>ADG, ADN, IMDG, IATA</b>	
· <b>Class</b>	Not classified as hazardous for transport

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· <b>Packing group</b> · <b>ADG, IMDG, IATA</b>	Not classified as hazardous for transport
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Not classified as hazardous for transport

### 15 Regulatory information

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

· **Australian Inventory of Industrial Chemicals**

8001-79-4	Castor oil
123-42-2	4-hydroxy-4-methylpentan-2-one
125643-61-0	A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
1330-20-7	xylene
12645-31-7	Phosphoric acid, 2-ethylhexyl ester
74499-36-8	9,10-Anthracenedione, 1,4-diamino-, N,N'-mixed 2-ethylhexyl and Me and pentyl derivs.
6386-38-5	methyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate
100-41-4	ethylbenzene
122-39-4	diphenylamine

· **Standard for the Uniform Scheduling of Medicines and Poisons**

1330-20-7	xylene	S6
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· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008.

No special training instructions to ensure protection of human health and environment are required.

· **purity requirement**

· **Relevant phrases**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

· **Department issuing SDS:** Abteilung Produktsicherheit

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· **Contact:**

· **Abbreviations and acronyms:**

*Flam. Liq. 4: Flammable liquids – Category 4*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

*Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A*

*Repr. 2: Reproductive toxicity – Category 2*

· \* **Data compared to the previous version altered.**

—AU—