


## 1 Identification

- **Product identifier**
- **Trade name:** CHAINLUBE ALLROUND SPRAY
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Only for proper handling.  
Lubrication, anticorrosive
- **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
- **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**  
Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

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- **Label elements**
- **GHS label elements**  
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**  
  
GHS02 GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Lubricating oils, C15-30, hydrotreated neutral oil-based  
Pentadecane, 7-methylene mixed with 1-tetradecene, dimers and trimers, hydrogenated isopentane  
Distillates (petroleum), hydrotreated light naphthenic
- **Hazard statements**  
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
H304 May be fatal if swallowed and enters airways.
- **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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- P211 Do not spray on an open flame or other ignition source.  
 P251 Pressurized container: Do not pierce or burn, even after use.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P331 Do NOT induce vomiting.  
 P405 Store locked up.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
 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: 72623-86-0 EINECS: 276-737-9 Index number: 649-482-00-X	Lubricating oils, C15-30, hydrotreated neutral oil-based Asp. Tox. 1, H304	25-50%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane, pure Flam. Gas 1, H220; Press. Gas C, H280	10-25%
CAS: 1000172-11-1 EC number: 700-184-9	Pentadecane, 7-methylene mixed with 1-tetradecene, dimers and trimers, hydrogenated Asp. Tox. 1, H304	10-25%
CAS: 68425-15-0 EINECS: 270-335-7	Polysulfides, di-tert-dodecyl Skin Sens. 1B, H317	≥0.25-<1%
CAS: 68413-48-9 EINECS: 270-220-1	Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio] succinate Skin Sens. 1B, H317	0.1-0.25%

- **Additional information:**

Note L: The classification as carcinogen does not apply because the mixture (or substance) contains less than 3% dimethyl sulfoxide extract (DMSO), measured according to IP 346.  
 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:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **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.

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- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** No special measures required.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
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:**  
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** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
Do not spray onto a naked flame or any incandescent material.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
The recommended storage temperature is (deg.C): ≤50°C  
Keep container tightly sealed.
- **Storage class:** 2 B
- **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:**

<b>106-97-8 butane, pure</b>	
WES	Long-term value: 1900 mg/m <sup>3</sup> , 800 ppm
<b>74-98-6 propane</b>	
WES	Asphyxiant

- **DNELs**

<b>72623-86-0 Lubricating oils, C15-30, hydrotreated neutral oil-based</b>		
	DNEL / Workers / Local Effects / Long-term	5.4 mg/m <sup>3</sup> /8h (worker)
	DNEL/general population/Local effects/Long-term	1.2 mg/m <sup>3</sup> /24h (consumer)
<b>68425-15-0 Polysulfides, di-tert-dodecyl</b>		
Oral	DNEL/general population/Systemic effects/Long-term	1.66 mg/kg/24h (consumer)

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Dermal	DNEL / Workers / Systemic effects / Long-term	33.3 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	16.66 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	23.5 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	5.8 mg/m3 (consumer)

**· PNECs**
**68425-15-0 Polysulfides, di-tert-dodecyl**

Oral	PNEC / Predators / Secondary poisoning	66.7 mg/kg food (secondary poisoning (predators))
	PNEC/Aquatic organisms/Sewage treatment plant/STP	1,000 mg/l (aquatic 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.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· **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:** Not required.

· **Body protection:** Protective work clothing

## 9 Physical and Chemical Properties

· **General Information**

· **Appearance:**

· **Form:**

Fluid

· **Colour:**

According to product specification

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

· **Melting point/freezing point:**

Undetermined.

· **Initial boiling point and boiling range:** Not applicable, as aerosol.

· **Flash point:**

<-20 °C

· **Flammability (solid, gas):**

Not applicable.

· **Decomposition temperature:**

Not determined.

· **Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

· **Lower:**

Not determined.

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· <b>Upper:</b>	Not determined.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density at 20 °C:</b>	0.724 g/cm <sup>3</sup> (ASTM D 4052)
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with</b>	
· <b>water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not determined.
· <b>Kinematic:</b>	Not determined.
· <b>Other information</b>	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** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### LD/LC50 values relevant for classification:

##### 72623-86-0 Lubricating oils, C15-30, hydrotreated neutral oil-based

Oral	LD50	5,000 mg/kg (rat)
	LOAEL	125 mg/kg/24h (rat)
Dermal	LD50	2,000-5,000 mg/kg (rabbit)
	NOAEL	150 mg/kg/24h (mouse)
		30-2,000 mg/kg/24h (rat)
		1,000 mg/kg/24h (rabbit)
Inhalative	LOAEL	100 mg/kg/24h (mouse)
	LC50 / 4h	2.18-5.53 mg/l (rat)
	NOEL	220 mg/m <sup>3</sup> (rat)
	NOAEL	980 mg/m <sup>3</sup> (rat)

##### 106-97-8 butane, pure

Inhalative	LC50 / 15 min	1,442.738-1.443 mg/l (rat)
	LC50 / 15 min	800,000 ppm (rat)
	LC50 / 2h	1,237 mg/l (mouse)
	LC50 / 2h	520,400-539,600 ppm (mouse)
	LC50 / 4h	658 mg/l (rat)
	NOAEC	4,000-16,000 ppm (rat)
	NOAEC	7.2-21.4 mg/l (rat)
	LOAEC	21.6 mg/l (rat)

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	LOAEC	12,000 ppm (rat)
<b>68425-15-0 Polysulfides, di-tert-dodecyl</b>		
Oral	LD50	19,550 mg/kg (rat)
	NOAEL	1,000 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rat)
Inhalative	LC50 / 4h	15.5 mg/l (rat)
<b>68413-48-9 Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate</b>		
Oral	LD50	11,300 mg/kg (rat) (OECD 401)
	NOAEL	1,000 mg/kg (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **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** Based on available data, the classification criteria are not met.
- **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** May be fatal if swallowed and enters airways.

## 12 Ecological Information

### · Toxicity

#### · Aquatic toxicity:

<b>72623-86-0 Lubricating oils, C15-30, hydrotreated neutral oil-based</b>	
LL50	10,000 mg/l/96h (aquatic invertebrates) 100 mg/l/96h (fish)
LL50	10,000 mg/l/72h (aquatic invertebrates)
LL50	10,000 mg/l/48h (aquatic invertebrates)
LL50	10,000 mg/l/24h (aquatic invertebrates)
EL50	10,000 mg/l/48h (aquatic invertebrates)
<b>106-97-8 butane, pure</b>	
LC50	24.1-147.5 mg/l/96h (fish)
LC50	14.2-69.4 mg/l/48h (aquatic invertebrates)
EC50	7.7-19.4 mg/l/96h (algae / cyanobacteria)
<b>68425-15-0 Polysulfides, di-tert-dodecyl</b>	
LC50	100 mg/l/96h (fish)
LC0	100 mg/l/96h (fish)
LL50	100 mg/l/96h (fish)
NOEC	0.08 mg/l/72h (algae / cyanobacteria) 10-10,000 mg/l/72h (microorganisms)
NOEC	100 mg/l/96h (fish)
NOEC	0.1 mg/l/48h (aquatic invertebrates)
<b>68413-48-9 Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate</b>	
EC50	>100 mg/l/72h ( <i>Desmodesmus subspicatus</i> ) (OECD 201)
EC50	>100 mg/l/48h ( <i>Daphnia Magna</i> ) (OECD 202)
LL50	>100 mg/l/96h (rainbow trout) (OECD 203)

- **Persistence and degradability** No further relevant information available.

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· **Behaviour in environmental systems:**

· **Bioaccumulative potential**

**72623-86-0 Lubricating oils, C15-30, hydrotreated neutral oil-based**

Partition coefficient >6 [---] (log Kow) (Bioaccumulation)

**106-97-8 butane, pure**

Partition coefficient 1.09-2.8 [---] (log Kow) (Bioaccumulation)

**68425-15-0 Polysulfides, di-tert-dodecyl**

Partition coefficient 6.2-12.45 [---] (log Kow) (Bioaccumulation)

**68413-48-9 Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate**

Partition coefficient 6.5 [---] (log Kow) (Bioaccumulation) (OECD 117)

Biodegradability 12.1 % (28d) (Biodegradability) (OECD 301 B)

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (according to Appendix 1 AWSV): significantly hazardous to water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

· **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.

Discharged containers can contain flammable or explosive vapours.

### 14 Transport information

· **UN-Number**

· **ADG, IMDG, IATA**

UN1950

· **UN proper shipping name**

· **ADG**

1950 AEROSOLS

· **IMDG**

AEROSOLS

· **IATA**

AEROSOLS, flammable

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- **Transport hazard class(es)**

- **ADG**



- **Class** 2.5F Gases.
- **Label** 2.1

- **IMDG, IATA**



- **Class** 2.1 Gases.
- **Label** 2.1

- **Packing group**

- **ADG, IMDG, IATA** Not classified as hazardous for transport

- **Environmental hazards:**

Not applicable.

- **Special precautions for user**

Warning: Gases.

- **Hazard identification number (Kemler code):** -

- **EMS Number:**

F-D,S-U

- **Stowage Code**

SW1 Protected from sources of heat.

- **Segregation Code**

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

SG69 For AEROSOLS with a maximum capacity of 1 litre:

Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.

For AEROSOLS with a capacity above 1 litre:

Segregation as for the appropriate subdivision of class 2.

For WASTE AEROSOLS:

Segregation as for the appropriate subdivision of class 2.

- **Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

- **Transport/Additional information:**

- **ADG**

- **Limited quantities (LQ)**

1L

- **Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

- **Transport category**

2

- **Tunnel restriction code**

D

- **IMDG**

- **Limited quantities (LQ)**

1L

- **Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

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· UN "Model Regulation":

UN 1950 AEROSOLS, 2.1

### 15 Regulatory information

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

· **Australian Inventory of Industrial Chemicals**

72623-86-0	Lubricating oils, C15-30, hydrotreated neutral oil-based
106-97-8	butane, pure
1000172-11-1	Pentadecane, 7-methylene mixed with 1-tetradecene, dimers and trimers, hydrogenated
74-98-6	propane
75-28-5	isobutane
68425-15-0	Polysulfides, di-tert-dodecyl
78-78-4	isopentane
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic
261767-39-9	Fatty acids, C8-18 and C18-unsatd., polymers with adipic acid and pentaerythritol
68413-48-9	Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate
68442-68-2	benzenamine, N-phenyl-, styrenated
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic
72623-86-0	Lubricating oils, C15-30, hydrotreated neutral oil-based
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based
268567-32-4	Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-
64743-00-6	Hydrocarbon waxes (petroleum), oxidized
61789-86-4	Calcium petroleum sulfonate, synthetic, neutral
1809-19-4	dibutyl phosphonate
29385-43-1	methyl-1H-benzotriazole
105-75-9	dibutyl fumarate
61789-86-4	Calcium petroleum sulfonate, synthetic, neutral

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

None of the ingredients is listed.

· **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.

· **Seveso category** P3a FLAMMABLE AEROSOLS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **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.

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- **purity requirement**
- **Relevant phrases**
  - H220 Extremely flammable gas.*
  - H280 Contains gas under pressure; may explode if heated.*
  - H304 May be fatal if swallowed and enters airways.*
  - H317 May cause an allergic skin reaction.*
- **Department issuing SDS:** *Abteilung Produktsicherheit*
- **Contact:**
- **Abbreviations and acronyms:**
  - Flam. Gas 1: Flammable gases – Category 1*
  - Aerosol 1: Aerosols – Category 1*
  - Press. Gas C: Gases under pressure – Compressed gas*
  - Skin Sens. 1B: Skin sensitisation – Category 1B*
  - Asp. Tox. 1: Aspiration hazard – Category 1*
- **\* Data compared to the previous version altered.**

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