

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

- **1.1 Product identifier**
- **Trade name: SWISSCUT INOX 100**
- **1.2 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.
Cutting Oil
- **1.3 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
- **Further information obtainable from: msds@motorex.com**
- **1.4 Emergency telephone number:**
In case of a medical emergency following exposure to a chemical, the public should call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Skin Sens. 1 H317 May cause an allergic skin reaction.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07 GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**
Distillates (petroleum), heavy hydrocracked
Polysulfides, di-tert-dodecyl
Distillates (petroleum), hydrotreated light paraffinic
- **Hazard statements**
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves.
P301+P310 **IF SWALLOWED: Immediately call a POISON CENTER/ doctor.**
P321 Specific treatment (see on this label).
P331 Do NOT induce vomiting.
P362+P364 Take off contaminated clothing and wash it before reuse.

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P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P405 Store locked up.

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

- **Additional information:**

Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts. May produce an allergic reaction.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**

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

- **Dangerous components:**

CAS: 64741-76-0 EINECS: 265-077-7 Index number: 649-453-00-1 Reg.nr.: 01-2119486951-26	Distillates (petroleum), heavy hydrocracked Asp. Tox. 1, H304	50-70%
CAS: 64742-55-8 EINECS: 265-158-7 Index number: 649-468-00-3 Reg.nr.: 01-2119487077-29	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1, H304	10-25%
CAS: 68425-15-0 EINECS: 270-335-7 Reg.nr.: 01-2119540516-41	Polysulfides, di-tert-dodecyl Skin Sens. 1B, H317	≥1-≤2.5%
CAS: 126019-82-7 ELINCS: 406-940-1	O, O, O-tris(2(or 4)-C9-10-isoalkylphenyl) phosphorothioate Aquatic Chronic 2, H411	0.25-1%
CAS: 68584-23-6 EINECS: 271-529-4 Reg.nr.: 01-2119492627-25	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts Skin Sens. 1, H317	≥0.25-<1%
CAS: 128-37-0 EINECS: 204-881-4 Reg.nr.: 01-2119480433-40	2,6-di-tert-butyl-p-cresol Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0.25-1%

- **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.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

Remove residues with soap and water.

Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:** Do not induce vomiting. Do not take in resorption stimulating agents.

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- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** DO NOT USE WATER JET
- **5.2 Special hazards arising from the substance or mixture**
In case of fire carbon, sulphur and nitrogen oxides can be formed.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 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.
- **6.3 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 item 13.
Ensure adequate ventilation.
- **6.4 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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** Do not heat above flash point.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
The recommended storage temperature is (deg.C): 20°C - 40°C
Store containers closed and protect against rain, dust, heat and other atmospheric influences.
Keep container tightly sealed.
- **Storage class:** 10
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see section 7.

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· Ingredients with limit values that require monitoring at the workplace:**128-37-0 2,6-di-tert-butyl-p-cresol**WEL Long-term value: 10 mg/m³**· DNELs****64741-76-0 Distillates (petroleum), heavy hydrocracked**

Inhalative	DNEL	5.4 mg/m ³ /8h (worker)
	DNEL	1.2 mg/m ³ /24h (consumer)

64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

Dermal	DNEL / Workers / Local Effects / Long-term	1 mg/kg/8h (worker)
Inhalative	DNEL	2.7-5.4 mg/m ³ /8h (worker)
	DNEL	1.2 mg/m ³ /24h (consumer)

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

Oral	DNEL/general population/Systemic effects/Long-term	1.66 mg/kg/24h (consumer)
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/m ³ (worker)
	DNEL/general population/Systemic effects/Long-term	5.8 mg/m ³ (consumer)

126019-82-7 O,O,O-tris(2(or 4)-C9-10-isoalkylphenyl)phosphorothioate

Oral	DNEL/general population/Systemic effects/Long-term	1.6 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	46 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	16 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	16 mg/m ³ (worker)
	DNEL/general population/Systemic effects/Long-term	2.9 mg/m ³ (consumer)

68584-23-6 Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts

Oral	DNEL/general population/Systemic effects/Long-term	0.8333 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	3.33 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	1.667 mg/kg/24h (consumer)
	DNEL/general population/Local effects/Long-term	0.513 mg/cm ² (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	2.9 mg/m ³ (consumer)
		11.75 mg/m ³ (worker)
	DNEL / Workers / Local Effects / Long-term	1.03 mg/m ³ (worker)

128-37-0 2,6-di-tert-butyl-p-cresol

Dermal	DNEL / Workers / Systemic effects / Long-term	0.5 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	0.25 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	3.5 mg/m ³ (worker)
	DNEL/general population/Systemic effects/Long-term	0.86 mg/m ³ (consumer)

· PNECs**64742-55-8 Distillates (petroleum), hydrotreated light paraffinic**

Oral	PNEC / Predators / Secondary poisoning	9.33 mg/kg food (secondary poisoning (predators))
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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)

126019-82-7 O,O,O-tris(2(or 4)-C9-10-isoalkylphenyl)phosphorothioate

	PNEC / Aquatic organisms / Freshwater	0.21 mg/l (aquatic organisms)
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	<i>PNEC / Aquatic organisms / Marine water</i>	<i>0.21 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic org / intermittent releases (freshwater)</i>	<i>0.21 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sewage treatment plant / STP</i>	<i>1 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sediment (freshwater)</i>	<i>1,050 mg/kg (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sediment (marine water)</i>	<i>1,050 mg/kg (aquatic organisms)</i>
	<i>PNEC / Terrestrial organism / Soil</i>	<i>210 mg/kg (terrestrial organisms)</i>

68584-23-6 Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts

Oral	<i>PNEC / Predators / Secondary poisoning</i>	<i>16.667 mg/kg food (secondary poisoning (predators))</i>
	<i>PNEC / Aquatic organisms / Freshwater</i>	<i>1 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Marine water</i>	<i>1 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sewage treatment plant / STP</i>	<i>1,000 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sediment (freshwater)</i>	<i>226,000,000 mg/kg (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sediment (marine water)</i>	<i>226,000,000 mg/kg (aquatic organisms)</i>
	<i>PNEC / Terrestrial organism / Soil</i>	<i>271,000 mg/kg (terrestrial organisms)</i>

128-37-0 2,6-di-tert-butyl-p-cresol

Oral	<i>PNEC / Predators / Secondary poisoning</i>	<i>8.33 mg/kg food (secondary poisoning (predators))</i>
	<i>PNEC / Aquatic organisms / Freshwater</i>	<i>0.000199 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Marine water</i>	<i>0.0000199 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic org / intermittent releases (freshwater)</i>	<i>0.00199 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sewage treatment plant / STP</i>	<i>0.17 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sediment (freshwater)</i>	<i>0.0996 mg/kg (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sediment (marine water)</i>	<i>0.00996 mg/kg (aquatic organisms)</i>
	<i>PNEC / Terrestrial organism / Soil</i>	<i>0.04769 mg/kg (terrestrial organisms)</i>

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

· **8.2 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.

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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.

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· Protection of hands:

Protective gloves

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

Protective gloves to EN374, resistant to oil in use. Standard EN 374 Level 3 control G1

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.

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

· 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.

For the mixture of chemicals mentioned below the penetration time has to be at least 60 minutes (Permeation according to EN 374 Part 3: Level 1).

· Eye protection: Goggles recommended during refilling

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties**· General Information****· Appearance:**

Form:	Fluid
Colour:	Light brown
· Odour:	weak
· 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: 162 °C

· Flammability (solid, gas): Not applicable.

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure at 20 °C: 1 hPa

· Density at 20 °C: 0.869 g/cm³ (ASTM D 4052)

· Relative density Not determined.

· Vapour density Not determined.

· Evaporation rate Not determined.

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- | | |
|--|---|
| · Solubility in / Miscibility with water: | Not miscible or difficult to mix. |
| · Partition coefficient: n-octanol/water: | Not determined. |
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | 11 mm ² /S @ 40 °C (DIN 51562-1) |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

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

· LD/LC50 values relevant for classification:

64741-76-0 Distillates (petroleum), heavy hydrocracked

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)
	LC50	>5,000 mg/m ³ (rat)
	NOEL	220 mg/m ³ (rat)
	NOAEL	980 mg/m ³ (rat)

64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

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 ³ (rat)
	NOAEL	980 mg/m ³ (rat)

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

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)

126019-82-7 O,O,O-tris(2(or 4)-C9-10-isoalkylphenyl)phosphorothioate

Oral	LD50	2,000 mg/kg (rat)
	NOEL	50 mg/kg/24h (rat)
	NOAEL	1,000 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rat)

68584-23-6 Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts

Oral	LD50	16,000 mg/kg (rat)
	NOAEL	500 mg/kg/24h (rat)
Dermal	LD50	4,000-5,000 mg/kg (rabbit)
	NOAEL	1,000 mg/kg/24h (rat)
Inhalative	LC50 / 4h	1.9 mg/l (rat)
	NOAEL	50 mg/m3 (rat)

128-37-0 2,6-di-tert-butyl-p-cresol

Oral	LD50	2,930-6,000 mg/kg (rat)
	NOEL	10 mg/kg/24h (rat)
	NOAEL	25-70 mg/kg/24h (rat)
	LOAEL	15-1,000 mg/kg/24h (rat)
	LOEL	500 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rat)

- **Primary irritant effect:**
- **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**
May cause an allergic skin reaction.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****64741-76-0 Distillates (petroleum), heavy hydrocracked**

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)

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EL50	10,000 mg/l/48h (aquatic invertebrates)
64742-55-8 Distillates (petroleum), hydrotreated light paraffinic	
LL50	10,000 mg/l/96h (aquatic invertebrates)
	100 mg/l/96h (fish)
	>100 mg/l/96h (<i>Pimephales promelas</i>) (OECD 203)
LL50	10,000 mg/l/72h (aquatic invertebrates)
LL50	10,000 mg/l/48h (aquatic invertebrates)
EL50	10,000 mg/l/48h (aquatic invertebrates)
NOEL	>100 mg/l/72h (<i>Pseudokirchnerella subcapitata</i>) (OECD 201)
68425-15-0 Polysulfides, di-tert-dodecyl	
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)
126019-82-7 O,O,O-tris(2(or 4)-C9-10-isoalkylphenyl)phosphorothioate	
LC50	25 mg/l/96h (fish)
EC50	5.5 mg/l/24h (aquatic invertebrates)
EC50	100 mg/l/72h (algae / cyanobacteria)
NOEC	10 mg/l/21d (aquatic invertebrates)
NOEC	100 mg/l/72h (algae / cyanobacteria)
NOEC	25 mg/l/96h (fish)
68584-23-6 Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	
EC50	10,000 mg/l/3h (microorganisms)
EC50	1,000 mg/l/96h (algae / cyanobacteria)
EC50	1,000 mg/l/72h (algae / cyanobacteria)
NOEC	1,000 mg/l/72h (algae / cyanobacteria)
NOEC	1,000 mg/l/96h (algae / cyanobacteria)
128-37-0 2,6-di-tert-butyl-p-cresol	
LC50	0.199-0.57 mg/l/96h (fish)
LC0	0.57 mg/l/96h (fish)
EC50	0.48-0.61 ppm/48h (aquatic invertebrates)
EC50	10,000 mg/l/3h (microorganisms)
EC50	1.7 mg/l/24h (microorganisms)
EC50	0.758 mg/l/96h (algae / cyanobacteria)
EC10	0.4 mg/l/72h (algae / cyanobacteria)
EC50	0-0.39 mg/l/21d (aquatic invertebrates)
EL50	0.24-10 mg/l/72h (algae / cyanobacteria)
NOEC	0.023-0.316 mg/l/21d (aquatic invertebrates)
NOEC	0.24-1.7 mg/l/72h (algae / cyanobacteria)
NOEC	0.15-0.23 mg/l/48h (aquatic invertebrates)
NOEC	0.053 mg/l/28d (fish)

· **12.2 Persistence and degradability** No further relevant information available.

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· **12.3 Bioaccumulative potential**

64741-76-0 Distillates (petroleum), heavy hydrocracked

Partition coefficient 3-6 [---] (log Kow) (Bioaccumulation)

64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

Partition coefficient >3.5 [---] (log Kow) (Bioaccumulation)

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

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

126019-82-7 O,O,O-tris(2(or 4)-C9-10-isoalkylphenyl)phosphorothioate

Partition coefficient 20-20.3 [---] (log Kow) (Bioaccumulation)

Biodegradability 2-4 % (28d) (Biodegradability) (OECD 301 B)

68584-23-6 Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts

Biodegradability 8.6 % (28d) (Biodegradability) (OECD 301 D)

128-37-0 2,6-di-tert-butyl-p-cresol

Partition coefficient 5.03-5.1 [---] (log Kow) (Bioaccumulation)

Biodegradability 4.7 % (28d) (Biodegradability)

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

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **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.

Harmful to aquatic organisms

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

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 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.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR/RID/ADN, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**

· **ADR/RID/ADN, ADN, IMDG, IATA** Void

· **14.3 Transport hazard class(es)**

· **ADR/RID/ADN, ADN, IMDG, IATA**

· **Class** Void

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- | | |
|--|-----------------|
| · 14.4 Packing group
· ADR/RID/ADN, IMDG, IATA | Void |
| · 14.5 Environmental hazards:
· Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 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**
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

· **Department issuing SDS:** Abteilung Produktsicherheit

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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· * Data compared to the previous version altered.

Annex: Exposure scenario 1

- **Short title of the exposure scenario** Industrial use of cutting fluids
- **Sector of Use**
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category**
PC24 Lubricants, greases, release products
PC25 Metal working fluids
- **Process category**
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC17 Lubrication at high energy conditions in metal working operations
PROC18 General greasing /lubrication at high kinetic energy conditions
- **Environmental release category**
ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product**
Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.
- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

Annex: Exposure scenario 2

- **Short title of the exposure scenario** Professional use of cutting fluids
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category**
PC24 Lubricants, greases, release products
PC25 Metal working fluids

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- **Process category**
 - PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
 - PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
 - PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
 - PROC17 Lubrication at high energy conditions in metal working operations
 - PROC18 General greasing /lubrication at high kinetic energy conditions
- **Environmental release category**
 - ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- **Description of the activities / processes covered in the Exposure Scenario**
 - See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
 - Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product**
 - Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.
- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

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