

1 Identification

- **Product identifier**
- **Trade name:** SWISSCUT ORTHO NF-X 15
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Cutting Oil
Only for proper handling.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
MOTOREX AG LANGENTHAL
Schmiertechnik
Bern-Zürich-Strasse 31
CH-4901 Langenthal
Tel. +41 (0)62 919 74 74

EUROLine Inc.
5 Old Town Park Road, South End Plaza, Unit 51
New Milford CT 06776, USA
Phone: 860-354-1177; Fax: 860 354-1157
Chemtrec Company Code: J336
- **Information department:** msds@motorex.com
- **Emergency telephone number:**
USA + Kanada: 1 800 424 9300 (Chemtrec Chemical Manufacturers Association, Arlington, VA 22209)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of international guidelines.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

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



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
Distillates (petroleum), hydrotreated light paraffinic
Hydrocarbons, C13-C23, n-alkanes, Isoalkanes, cyclic, <0.3% aromatics
- **Hazard statements**
H304 May be fatal if swallowed and enters airways.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/06/2015

Reviewed on 05/06/2015

Trade name: SWISSCUT ORTHO NF-X 15

(Contd. of page 1)

Precautionary statements

P301+P310 If swallowed: Immediately call a poison center/doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

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

Classification system:

NFPA ratings (scale 0 - 4)



Health = 0
Fire = 1
Reactivity = 0

HMIS-ratings (scale 0 - 4)



HEALTH 1 Health = 1
FIRE 1 Fire = 1
REACTIVITY 0 Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64742-55-8 Reg.nr.: 01-2119484627-25	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1, H304	25-50%
CAS: 64742-46-7 Reg.nr.: 01-2119827000-58	Hydrocarbons, C13-C23, n-alkanes, Isoalkanes, cyclic, <0.3% aromatics Xn R65 Asp. Tox. 1, H304	25-50%

4 First-aid measures

Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Remove residues with soap and water.

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.

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

Extinguishing media

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents: DO NOT USE WATER JET

Special hazards arising from the substance or mixture

In case of fire carbon, sulphur and nitrogen oxides can be formed.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/06/2015

Reviewed on 05/06/2015

Trade name: SWISSCUT ORTHO NF-X 15

(Contd. of page 2)

- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **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).
- **Reference to other sections**
No dangerous substances are released.
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 protection against explosions and fires:** Do not heat above flash point.
- **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:**
Store containers closed and protect against rain, dust, heat and other atmospheric influences.
- **Storage class:** 10
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **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**
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.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/06/2015

Reviewed on 05/06/2015

Trade name: SWISSCUT ORTHO NF-X 15

(Contd. of page 3)

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.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Fluid
Color:	Yellowish
Odor:	Characteristic
Odour threshold:	Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

- **Flash point:** 182 °C (360 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** > 230 °C (> 446 °F) (DIN 51794)

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower:	1.0 Vol %
Upper:	6.0 Vol %

- **Vapor pressure at 20 °C (68 °F):** 1 hPa (1 mm Hg)

- **Density at 20 °C (68 °F):** 0.871 g/cm³ (7.268 lbs/gal) (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:	16 mm ² /s @ 40 °C (DIN 51562-1)

- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity**

- **Chemical stability**

- **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.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/06/2015

Reviewed on 05/06/2015

Trade name: SWISSCUT ORTHO NF-X 15

(Contd. of page 4)

· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Information on toxicological effects**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:**

Oral	LD50	estim. >2000 mg/kg (rat)
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64742-46-7 Hydrocarbons, C13-C23, n-alkanes, Isoalkanes, cyclic, <0.3% aromatics

Oral	LD50	2000 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

· **Primary irritant effect:**· **on the skin:** No irritant effect.· **on the eye:** No irritating effect.· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

108-94-1	cyclohexanone	3
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· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**· **Aquatic toxicity:** No further relevant information available.· **Persistence and degradability** No further relevant information available.· **Behavior in environmental systems:**· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

Water hazard class 1 (Self-classification according VwVwS, 17.05.1999): 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 of together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/06/2015

Reviewed on 05/06/2015

Trade name: SWISSCUT ORTHO NF-X 15

(Contd. of page 5)

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | Void |
| · DOT, ADR,ADN, ADN, IMDG, IATA | Void |
| · UN proper shipping name | Void |
| · DOT, ADR,ADN, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | Void |
| · DOT, ADR,ADN, ADN, IMDG, IATA | Void |
| · Class | Void |
| · Packing group | Void |
| · DOT, ADR,ADN, IMDG, IATA | Void |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

15 Regulatory information

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

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

64742-55-8	Distillates (petroleum), hydrotreated light paraffinic
64742-46-7	Hydrocarbons, C13-C23, n-alkanes, Isoalkanes, cyclic, <0.3% aromatics
8016-28-2	Oils, lard
84988-79-4	Fatty acids, C16
8001-79-4	Castor oil
10254-57-6	Methylene-bis-(dibutyldithiocarbamate)
68584-23-6	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts
61789-86-4	Calcium petroleum sulfonate, synthetic, neutral
70024-69-0	Benzenesulfonic acid, mono-C20-24-alkyl derivs., calcium salts
1305-62-0	calcium dihydroxide
64742-47-8	Distillates (petroleum), hydrotreated light
108-94-1	cyclohexanone

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/06/2015

Reviewed on 05/06/2015

Trade name: SWISSCUT ORTHO NF-X 15

(Contd. of page 6)

· Chemicals known to cause reproductive toxicity for females:
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None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:
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None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)
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None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

108-94-1 cyclohexanone

A3

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· National chemical directories
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Components listed or exempted from listing:

EINECS/ELINCS/NLP (EU)

TSCA (USA)

DSL/NDSL (CDN)

ENCs/METI (J)

AICS (Aus)

ECL/KECI (KOR)

IECSC (CN)

PICCS (RP)

· Chemical safety assessment: A Chemical Safety Assessment has not 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.

· Department issuing SDS: Abteilung Produktsicherheit
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· Date of preparation / last revision 05/06/2015 / -

· Abbreviations and acronyms:

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

· * Data compared to the previous version altered.

US