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

1.1 Product identifier
TERRASOL 150 WT

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses
Product categories [PC]
PC24 - Lubricants, greases, release products

1.3 Details of the supplier of the safety data sheet
Supplier (manufacturer/importer/only representative/downstream user/distributor)
Lubricant Consult GmbH
Street : Gutenbergstraße 13
Postal code/city : 63477 MAINTAL
Telephone : 06109/7650-0
Telefax : 06109/7650-51

1.4 Emergency Telephone Number
06109/7650-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Directive 67/548/EEC or 1999/45/EC
None
Classification according to Regulation (EC) No. 1272/2008 [CLP]
None

2.2 Label elements
None

2.3 Other hazards
None

SECTION 3: Composition/ information on ingredients

3.2 Mixtures
Hazardous ingredients
None
Further ingredients
Ester oil

Additives, not to declare

SECTION 4: First aid measures

4.1 Description of first aid measures
After inhalation
Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

**In case of skin contact**
Change contaminated, saturated clothing. Wash immediately with: Water and soap. In case of skin irritation, consult a physician.

**After eye contact**
Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

**After ingestion**
Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). When in doubt or if symptoms are observed, get medical advice.

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**
None

**SECTION 5: Firefighting measures**

5.1 **Extinguishing media**

**Suitable extinguishing media**
Foam, Carbon dioxide (CO2), Dry extinguishing powder, ABC-powder BC-powder Sand, Water spray jet

**Unsuitable extinguishing media**
Water, Strong water jet, High power water jet.

5.2 **Special hazards arising from the substance or mixture**
Hazardous combustion products: Carbon monoxide, Carbon dioxide (CO2). Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

**Hazardous combustion products**
Do not breathe gas/fumes/vapour/spray. Gases/vapours, harmful.

5.3 **Advice for firefighters**
Use suitable breathing apparatus.

5.4 **Additional information**
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

Special danger of slipping by leaking/spilling product.

6.1 **Personal precautions, protective equipment and emergency procedures**
None

6.2 **Environmental precautions**
None

6.3 **Methods and material for containment and cleaning up**
Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Universal binder Kieselguhr.

6.4 **Reference to other sections**
None

**SECTION 7: Handling and storage**
7.1 Precautions for safe handling

Protective measures
It is recommended to design all work processes always so that the following is excluded: Generation/formation of mist
Avoid: Inhalation of vapours or spray/mists Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage
Storage class : 10
Storage class (TRGS 510) : 10
Keep away from
Food and feedingstuffs

Further information on storage conditions
Keep/Store only in original container. Keep container tightly closed. Protect against UV-radiation/sunlight. Humidity. Contact with air/oxygen. Dust deposits

7.3 Specific end use(s)
None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
None

8.2 Exposure controls

Personal protection equipment
Eye / face protection
Eye protection: not applicable. Avoid: Eye contact.
Recommended eye protection articles
DIN EN 166

Skin protection
Hand protection
Hand protection is not required
By long-term hand contact : Wear suitable gloves.
Suitable material : NBR (Nitrile rubber). Butyl caoutchouc (butyl rubber).
Recommended glove articles : DIN EN 374 DIN EN 420

Respiratory protection
No special measures are necessary. Avoid: Inhalation of vapours or spray/mists

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour : yellow

Safety relevant basis data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
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<tr>
<td>Boiling temperature / range</td>
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<tr>
<td></td>
<td>&gt; 300 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>( 1013 hPa )</td>
</tr>
<tr>
<td></td>
<td>&gt; 250 °C</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and reactivity

10.1 Reactivity
No information available.

10.2 Chemical stability
The product is stable.

10.3 Possibility of hazardous reactions
No information available.

10.4 Conditions to avoid
No information available.

10.5 Incompatible materials
Oxidising agent, strong. Acid, concentrated. Alkali (lye), concentrated.

10.6 Hazardous decomposition products

SECTION 11: Toxicological information

11.1 Information on toxicological effects
By analogy.

SECTION 12: Ecological information

12.1 Toxicity
By analogy.

Aquatic toxicity
Acute (short-term) fish toxicity
Parameter : LC50
Species : Leuciscus idus (golden orfe)
Effective dose : > 100 mg/kg
Harmless to fish up to the concentration tested.

Acute (short-term) daphnia toxicity
Harmless to daphnia up to the tested concentration.

Acute (short-term) algae toxicity
Harmless to algae up to the concentration tested.

Bacteria toxicity
Parameter : EC0
Species : Pseudomonas putida
Evaluation parameter : Bacteria toxicity
Effective dose : > 100 mg/kg

12.2 Persistence and degradability
Readily biodegradable (according to OECD criteria).

Biodegradation
Analytical method : BOD (% of COD)
Parameter : Degree of elimination
Type : Aerobic
Degradation rate : > 60 %
Time : 28 d
Evaluation : Readily biodegradable (according to OECD criteria).
Method : OECD 301D/ EEC 92/69/V, C.4-E

Analytical method : DOC reduction
Parameter : Degree of elimination
Type : Aerobic
Degradation rate : > 70 %
Evaluation : Readily biodegradable (according to OECD criteria).
Method : OECD 301E/ EEC 92/69/V, C.4-B

12.3 Bioaccumulative potential
Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
No information available.

12.6 Other adverse effects
No information available.

12.7 Further ecological information
None

12.8 Overall evaluation
Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

SECTION 13: Disposal considerations

Dispose according to legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.1 Waste treatment methods
Send to a hazardous waste incinerator facility under observation of official regulations. Collect the waste separately. Evidence for disposal must be provided.

SECTION 14: Transport information

14.1 UN number
No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name
No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)
No dangerous goods in sense of this transport regulation.

14.4 Packing group
No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards
No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user
None
SECTION 15: Regulatory information

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

National regulations
Emission control act (TA-Luft)
Weight fraction (Number 5.2.5. I) : < 1 %

Water hazard class (WGK)
Class : 1 (Slightly hazardous to water) Classification according to VwVwS

15.2 Chemical safety assessment
No information available.

SECTION 16: Other information

16.1 Indication of changes
None

16.2 Abbreviations and acronyms
None

16.3 Key literature references and sources for data
None

16.4 Relevant R-, H- and EUH-phrases (Number and full text)
None

16.5 Training advice
None

16.6 Additional information
None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.