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

1.1 Product identifier
TURMOFLUID 40 B

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

101 Safety data sheet available for professional user on request.

EUH208 Contains N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazol-1-methylamine ; N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazol-1-methylamine. May produce an allergic reaction.
EUH210 Safety data sheet available on request.

SECTION 3: Composition/ information on ingredients

3.2 Mixtures

Hazardous ingredients
N-phenyl-1,1,3,3-tetramethylbutynaphthalen-1-amine ; EC No : 269-527-3; CAS No. : 68259-36-9
Weight fraction : 1 - 5 %
Classification 67/548/EEC : R53
4.1 Description of first aid measures

General information
When in doubt or if symptoms are observed, get medical advice.

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
Remove contaminated, saturated clothing immediately. 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 immediately and drink plenty of water. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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
Dry extinguishing powder. Carbon dioxide (CO2). ABC-powder BC-powder Foam. Dry sand

 Unsuitable extinguishing media
5.2 Special hazards arising from the substance or mixture
Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2). Burning produces heavy smoke.

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
Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Ensure waste is collected and contained. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

6.3 Methods and material for containment and cleaning up
Take up mechanically, placing in appropriate containers for disposal. Soak up inert absorbent and dispose as waste requiring special attention. 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 Skin contact Eye contact. 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

Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and after work. Take the precautions
customary when handling chemicals. Change contaminated, saturated clothing. Keep away from sources of ignition. - No smoking.

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-orange

Safety relevant basis data

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Boiling temperature / range: (1013 hPa)</th>
<th>&gt;</th>
<th>300 °C</th>
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<tr>
<td></td>
<td>Decomposition temperature: (1013 hPa)</td>
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<tr>
<td></td>
<td>Flash point: (1013 hPa)</td>
<td>&gt;</td>
<td>250 °C</td>
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<tr>
<td></td>
<td>Vapour pressure: (50 °C)</td>
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<td>Density: (20 °C)</td>
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<tr>
<td>Viscosity: (40 °C)</td>
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</tr>
<tr>
<td>Viscosity: (100 °C)</td>
<td>=</td>
<td>32 mm²/s</td>
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</tr>
</tbody>
</table>

9.2 Other information
None

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
Strong acid Strong alkali

10.4 Conditions to avoid
No information available.

10.5 Incompatible materials
Oxidising agent, strong.

10.6 Hazardous decomposition products
SECTION 11: Toxicological information

11.1 Information on toxicological effects
By analogy.

Acute effects
Acute oral toxicity
Parameter : LD50
Exposure route : Oral
Species : Rat
Effective dose : > 2000 mg/kg

SECTION 12: Ecological information

12.1 Toxicity
No information available.

12.2 Persistence and degradability
Biodegradation
Not readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential
No information available.

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
If product enters soil, it will be mobile and may contaminate groundwater. In accordance with the required stability the product is poorly biodegradable.

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

**Water hazard class (WGK)**

Class : 2 (Hazardous to water)  
Classification according to VvVwS

15.2 **Chemical safety assessment**

No information available.

**SECTION 16: Other information**

16.1 **Indication of changes**

03. Hazardous ingredients

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)**

- H318: Causes serious eye damage.
- H411: Toxic to aquatic life with long lasting effects.
- H413: May cause long lasting harmful effects to aquatic life.
- 36: Irritating to eyes.
- 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 53: May cause long-term adverse effects in the aquatic environment.

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.