Safety specification sheet in accordance with 91/155/EEC
“EC Safety Specification Sheet”

Date of print: 08.05.2007 Revised on: 08.05.2007 Page 1/7

Trade Name: NYROSTEN Ropeoil Compound

1 SUBSTANCE/PREPARATION AND COMPANY NAME

Trade Name: NYROSTEN Ropeoil Compound

Manufacturer: NYROSTEN Korrosionsschutzmittel GmbH + Co.
Marktweg 71 D-47608 Geldern
Postfach 13 43 D-47593 Geldern
Tel. 02831/9245-6
Fax 02831/89793

2 COMPOSITION/INFORMATION CONCERNING CONSTITUENTS

Chemical description:
Hydrocarbon mixture - contains solvent

Dangerous constituents:
CAS-No.* 64742-48-9
Description: Aliphatic hydrocarbon
Content% Ident.letter R-sentences EINECS-No.*
50 Xn 65

*CAS = Chemical Abstracts Service
*EINECS = European Inventory of Existing Chemical Substances

3 POSSIBLE HAZARDS

Risks to human health:
Swallowing or subsequent vomiting may result in aspiration into the lungs. This leads to asphyxiation or toxic pulmonary oedema.

Safety risks:
Combustible. Possible electrostatic charging during handling. May form inflammable/explosive vapour/air mixtures.

Environmental risks:
Not classified as dangerous in accordance with EU criteria.
4 FIRST AID MEASURES

General information: Contact with the skin can cause irritation. Dry skin.
First Aid - inhalation: Bring person affected into fresh air.
First Aid - skin: Wash skin with soap and water.
First Aid - eyes: Rinse eyes with water.
First Aid swallowing: Do not induce vomiting. Do not give person affected anything to drink. Call doctor immediately.
Information for doctor: Long-term or repeated exposure can cause dermitis. Swallowing followed by vomiting can cause aspiration into the lungs.

5 FIRE-FIGHTING MEASURES

Fire class: B
Special dangers: Carbon monoxide may be released in the case of incomplete combustion. Not classified as inflammable, but combustible.
Extinguishing agents: Foam, water spray or water mist, powder extinguisher, carbon dioxide, sand or earth can only be used for small fires.
 Unsuitable extinguishing agents: Do not use a powerful water jet.
Safety equipment: Full protective suit and compressed air respiratory equipment.
Other information: Cool endangered containers with water spray jet.

6 MEASURES IN THE CASE OF UNINTENTIONAL RELEASE

Personnel-related precautions: Avoid contact with skin and eyes. Do not inhale fumes. Remove all personnel from the danger zone whose presence is not required. Seal off leaks, without taking personnel risk if at all possible.
6 MEASURES IN THE CASE OF UNINTENTIONAL RELEASE

Protective equipment:
Gloves made from nitrile rubber, gloves covering wrists and forearms, jacket and trousers made from nitrile rubber, knee-high rubber safety boots. In the case of danger of inhaling aerosols/spray/spray-droplets, please wear full mask with filter for organic vapours and particles. Please wear circulation respiratory equipment in unventilated areas.

Environmental protection measures:
Prevent contamination of water and soil. Prevent product escaping into the sewerage system, into rivers or lakes by building barriers made from sand or earth, or using other suitable checking measures.

Measures following spillage - small quantities:
Adsorb and check product using sand, earth or adsorbent material. Transfer to a marked, sealable container and dump safely. Please leaky containers in a marked barrel of salvage barrel. Clean soiled surface with detergent. Treat liquid used for washing as special waste.

Measures following spillage - large quantities:
Transfer to a marked, sealable container for treatment or dumping purposes. Treatment of residues is the same as for spillage of small quantities.

7 HANDLING AND STORAGE

Handling:
Only use in well ventilated areas. Avoid contact with the skin over longer periods as well as repeated contact. Do not inhale fumes, spray mist, mist. Do not handle above flash point as combustible or explosive vapour-air mixtures may form. Do not eat, drink or smoke when working. Take precautions against electrostatic charging.

Storage:
Requirement for storage rooms and containers:
Store containers in a cool, well ventilated place; containers must be tightly sealed. Prevent penetration into the ground.

Instructions concerning storage with other materials:
Do not store together with oxidising agents. Do not store together with fire-promoting and self-igniting substances as well as highly flammable solids.

Further information on storage conditions:
Protect against heating, overheating and direct sunlight.

Storage class:
VbF (Decree concerning Combustible Liquids)
8 LIMITING OF EXPOSURE AND PERSONAL PROTECTIVE EQUIPMENT

Limiting values in the workplace:
Aliphatic hydrocarbon mixture
CAS-No. 64742-48-9
Name of substance Shellsol D 60
Share

Limiting value in accordance with TGRS 900/901
MCW = 1.000 mg/m³
MCW = 200 ppm

* Technical Directions for Hazardous Substances
* MCW = Maximum concentration in the workplace

Technical Safety Measures:
Only use in well ventilated areas.

Respiratory protection:
In the case of danger of inhaling: half-mask with multi-purpose filter for organic vapours and particles.

Hand protection:
Gloves made from nitrile rubber.

Eye protection:
Protective goggles.

Body protection:
Chemical resistant safety shoes or boots. Standard work clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

<table>
<thead>
<tr>
<th>Form:</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>green</td>
</tr>
<tr>
<td>Smell:</td>
<td>mineralic</td>
</tr>
</tbody>
</table>
9 PHYSICAL AND CHEMICAL PROPERTIES

SAFETY DATA

<table>
<thead>
<tr>
<th>Method</th>
<th>Value/Range</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ph-value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change of state</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-drop point</td>
<td>ISO 2176</td>
<td></td>
</tr>
<tr>
<td>-drop point</td>
<td>DIN 51 801/2</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>DIN EN 22719/1</td>
<td>&gt;65</td>
</tr>
<tr>
<td>Inflammation point</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire promoting properties</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosion risk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosibility limits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-lower limit</td>
<td>0,7</td>
<td>Vol.%</td>
</tr>
<tr>
<td>-upper limit</td>
<td>8,0</td>
<td>Vol.%</td>
</tr>
<tr>
<td>Steam pressure at 20°C/50°C</td>
<td>&lt;1/6</td>
<td>hPa</td>
</tr>
<tr>
<td>Density at 15°C</td>
<td>DIN 51757</td>
<td>0,820</td>
</tr>
<tr>
<td>Solubility</td>
<td>in water</td>
<td>insoluble</td>
</tr>
<tr>
<td>-other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>DIN 51 562</td>
<td>21,4</td>
</tr>
<tr>
<td>Solvent content</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Additional data:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Penetration</td>
<td>n.a.</td>
<td></td>
</tr>
<tr>
<td>Breaking point</td>
<td>DIN 52 012</td>
<td>-30</td>
</tr>
<tr>
<td>Corrosion protection</td>
<td>DIN EN ISO 6988</td>
<td>6 cycl./0</td>
</tr>
</tbody>
</table>

10 STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to be avoided: Heat, flames and sparks.
Materials to be avoided: None known.
Dangerous products of decomposition: None known.
11 TOXICOLOGY INFORMATION

Basis of the evaluation:
The evaluation was derived from toxicological data concerning individual constituents or similar products.

Toxicological Test:

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Solid</th>
<th>Solvent</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD 50 oral</td>
<td>&gt; 5,000 mg/kg</td>
<td>&gt; 2,000 mg/kg (estimated)</td>
</tr>
<tr>
<td>LD 50 dermal</td>
<td>&gt; 3,000 mg/kg</td>
<td>&gt; 2,000 mg/kg (estimated)</td>
</tr>
<tr>
<td>LC 50 inhaled</td>
<td>no data available</td>
<td>&gt; 5 mg/l     (estimated)</td>
</tr>
</tbody>
</table>

Skin irritation:
Not an irritating substance in accordance with EU Directives.

Eye irritation:
No irritation.

Skin sensitisation:
No sensitisation through contact with the skin.

Mutagenicity:
No mutagenicity (guessed)

Experience with people:
Contact over longer periods or repeated contact can remove the skin’s natural oils and lead to dermatitis. Swallowing followed by vomiting can lead to aspiration into the lungs causing asphyxiation or toxic lung oedema.

General remarks:
The product poses no particular known risks if used correctly and in compliance with the usual precautionary measures for handling mineral oil products.

12 ENVIRONMENTAL INFORMATION

General information:
No environmental damage to be expected if used correctly. Do not allow to escape into rivers, lakes etc. or into sewerage system. It can be separated mechanically in sewerage treatment plants. Product is insoluble in water.
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13 DISPOSAL INFORMATION
Product:
Incineration in suitable plants in compliance with legislation and requirements imposed by authorities. Regulations concerning special waste must be observed.
Waste key number: 55370 = solvent
Unclean packaging:
Contaminated packaging must be emptied fully and may be recycled following appropriate cleaning. Do not pierce, cut or weld containers that have not been cleaned.

14 TRANSPORT INFORMATION
No dangerous goods according to the transport information.

15 REGULATIONS
Labelling according to EEC Directives: Wire rope corrosion protection, inflammable.
Identifying letter and hazard designation of the product:
Not applicable as its viscosity is higher than 7cSt. at 40°C.
R-sentences: (R 65) Detrimental to health. Swallowing my cause lung damage.
S-sentences: (S 23) Do not inhale fumes.
(S 24) Avoid contact with the skin.
(S 62) Do not induce vomiting if swallowed. Call a doctor immediately and show him/her this label.

Technical Directions Air: (Appendix E: organic substances) class III
Water hazard class: 1 (*KBWS): mildly hazardous to water (own classification)
* KBWS = Catalogue of Substances Hazardous to Water.
Fire class: B (combustible, liquid substances)+
VbF: A III
(Decree concerning Combustible Liquids)

16 OTHER INFORMATION
The above information is based on our present level of knowledge and describes the safety requirements of the product. Said information, however, does not constitute a guarantee of product characteristics. Neither does it provide the ground of contractual relationship. We accept no responsibility for errors in or incompleteness of this specification sheet.