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

1.1 Product identifier
   Trade Name: CLASSIC MEDUNA LT 530 LA HDX
   Article No.: n.av.
   Preparation No.: n.av.
   Registration No.: n.av.

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Use: lubricant

1.3 Details of the supplier of the safety data sheet
   1.3.1 Address of the Company / Supplier:
   CLASSIC Schmierstoff GmbH & Co. KG, Lange Straße 100 - 106, D- 27318 Hoya
   Telephone: +49 - 4251-81251, Telefax: +49 - 4251-812902, E-Mail: schmierstoffe@classic-oil.de

   1.3.2 Responsible for the data sheet:
   CoSiChem AG, Ernst-Lemmer-Straße 27, D - 35041 Marburg, info@cosichem.de

1.4 Emergency telephone number
   Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning
   Telephone: +49 - 4251-81251 (8:30 – 16:30) Telephone: +44 870 600 6266

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
   Classification and labelling according to Directive 1272/2008/EC:
   EUH208
   Classification and labelling according to Directive 1999/45/EC:
   None.

   * Classification according to 1272/2008/EC: Yes.
   Applicable Exemptions: No.
   Signal word(s): n.ap.
   Component(s):

   H - Phrases:
   P102: Keep out of reach of children.
   P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
   P315: Get immediate medical advice/attention.

   Additional Markings:
   EUH208: Contains Calciumalkarylsulfonate, longchained. May produce an allergic reaction.

   The above mentioned labelling is valid for distribution to private consumer.

2.2 Label elements

2.3 Other hazards
   Inhalation of vapours in high concentration may cause irritation of respiratory system.
   Solvents may degrease the skin.
   May cause long-term adverse effects in the aquatic environment.
   This mixture contains no substances which are assessed to be PBT or vPvB.
### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

**Dangerous Ingredients:**

<table>
<thead>
<tr>
<th>CAS - No.</th>
<th>Index - No.</th>
<th>EC - No.</th>
<th>Material</th>
<th>m% - range</th>
<th>Symbol</th>
<th>R / H - phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>68649-42-3</td>
<td>272-028-3</td>
<td>n.av.</td>
<td>Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts</td>
<td>0.1 - 1%</td>
<td>Xi, N</td>
<td>R 31-38-41-51/53 ; H315 H318 H411 EUH031</td>
</tr>
<tr>
<td>n.v.</td>
<td>n.av.</td>
<td>n.av.</td>
<td>Calciumalkaryl sulfonate, longchained</td>
<td>0.1 – 1%</td>
<td>Xi</td>
<td>R 43-53 ; H317 H413</td>
</tr>
<tr>
<td>n.v.</td>
<td>n.av.</td>
<td>n.av.</td>
<td>Polyolefin polyamine succinimid, borated</td>
<td>2.5 – 5%</td>
<td>n.ap.</td>
<td>R 53 ; H413</td>
</tr>
<tr>
<td>n.v.</td>
<td>n.av.</td>
<td>n.av.</td>
<td>Polyolefin Polyamine succininide, Polyl</td>
<td>1 – 2.5%</td>
<td>n.ap.</td>
<td>R 53 ; H413</td>
</tr>
</tbody>
</table>

Text of R-/H- phrases: see section 16

#### 3.2 Mixtures

**Chemical Characterisation:**

Petroleum products

#### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**Inhalation:**

Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms persist, call a physician.

**Skin Contact:**

Wash off with warm water and soap. In the case of skin irritation or allergic reactions see a physician.

**Eye Contact:**

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

**Ingestion:**

Do not induce vomiting. Rinse mouth. Consult a physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

Risk of product entering the lungs on vomiting after ingestion. Aspiration may cause pulmonary oedema and pneumonitis.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### SECTION 5: Firefighting measures

**Extinguishing media**

**Suitable Extinguishing Media:**

Use dry chemical, CO2, water spray or "alcohol" foam.

**Extinguishing Media to Avoid:**

high volume water jet

**Special hazards arising from the substance or mixture**

In the event of fire the following can be released: Carbon oxides, Sulphur oxides, nitrogen oxides (NOx).

**Advice for firefighters**

**Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

**Additional Information:**

In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
See chapter 8.2.2
Contaminated surfaces will be extremely slippery.

6.2 Environmental precautions
Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up
Prevent spreading over a wide area (e.g. by containment or oil barriers).
Soak up with oil absorbent material. Shovel into suitable container for disposal.

6.4 Reference to other sections
None.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Precautions for Safe Handling:
Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use.
When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.
Do not port contaminated cleaning rags in pockets.
Contaminated equipment (brushes, rags) must be cleaned immediately with water.
Avoid formation of aerosol.

7.1.2 Precautions in Case of Fire and Explosion:
Normal measures for preventive fire protection. Do not smoke.
Keep away from heat and sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Storage Instructions:
Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container.
Keep away from heat. Keep away from direct sunlight.

7.2.2 Store away from:
Do not store together with oxidizing agents

7.2.3 Further Information on Storage Conditions:
Avoid subsoil penetration.

7.3 Specific end use(s)
n.av.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Material Limit Value

8.2 Exposure controls

8.2.1 Appropriate engineering controls
Ensure adequate ventilation. Do not breathe vapours or spray mist.

8.2.2 Individual protection measures

8.2.2a Respiratory Protection:
Breathing apparatus needed only when aerosol or mist is formed.
Respirator with filter A2, A2P2, ABEK

8.2.2b Hand Protection:
Use protective skin cream before handling the product, protective gloves (nitrile rubber, Neoprene). As the product is a preparation of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

8.2.2c Eye Protection:
safety glasses

8.2.2d Skin Protection:
n.av.

8.2.2e Further Information:
Observe wearing time limits:

8.2.3 Environmental exposure controls:
Do not allow material to contaminate ground water system.
Do not flush into surface water or sanitary sewer system.
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

9.1.1 Form: viscous liquid  Colour: light brown  Odour: characteristic


9.1.3 Boiling point / Boiling - range (°C): n.a.v., Melting point / Melting range (°C): n.a.v.

9.1.4 Flash point (°C): 223, closed cup

9.1.5 Flammability (EEC A10/A13): n.a.v.

9.1.6 Ignition temperature (°C): n.a.v.

9.1.7 Autoignitability (EEC A16): None.

9.1.8 Oxidising properties: None.

9.1.9 Flammability: None.

9.1.10 Explosion limits (Vol.%) lower: n.a.v., upper: n.a.v.

9.1.11 Vapour pressure: / Vapour density (Air = 1): n.a.v. / n.a.v.

9.1.12 Density (g/ml): 0.86 (15°C)

9.1.13 Solubility (in Water): practically insoluble  Soluble in: organic solvent


9.1.15 Viscosity: 75 mm² / s (40°C)

9.1.16 Solvent content (m %): Not relevant

9.1.17 Thermal decomposition (°C): n.a.v.

9.1.18 Evaporation rate: n.a.v.

9.2 Other information

n.a.v.

SECTION 10: Stability and reactivity

10.1 Reactivity

None.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Protect from frost, heat and sunlight.

10.5 Incompatible materials

strong oxidizing agents

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed. To avoid thermal decomposition, do not overheat.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.1.1 Substances

11.1.2 Mixtures

Acute Toxicity:

Inhalation: n.a.v.

Ingestion: n.a.v.

Skin Contact: n.a.v.

Irritation / corrosion (to skin / eye): slight

Sensitisation: May cause an allergic skin reaction.

Carcinogenicity: n.a.v.

Mutagenicity: n.a.v.

Teratogenicity: n.a.v.

Narcotic Effects: None.

11.1.3 Practical Experience

11.1.12 n.a.v.

11.1.13 Practical Experience

Observations relevant for classification:

None.

Further Observations:

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Classification of the preparation has been done by calculation in accordance with EEC directives.
## SECTION 12: Ecological information

### 12.1 Toxicity
We have no quantitative data concerning the ecological effects of this product.

### 12.2 Persistence and degradability
Not readily biodegradable. Inherently biodegradable. The product is slightly soluble in water. It can be eliminated from water by abiotic processes.

### 12.3 Bioaccumulative potential
n.av.

### 12.4 Mobility in soil
n.av.

### 12.5 Results of PBT and vPvB assessment
This mixture contains no substances which are assessed to be PBT or vPvB.

### 12.6 Other adverse effects

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.6.1 COD-Value, mg/g:</td>
<td>n.av.</td>
</tr>
<tr>
<td>12.6.2 BOD5-Value, mg/g:</td>
<td>n.av.</td>
</tr>
<tr>
<td>12.6.3 AOX-Remarks:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>12.6.4 Significant Components:</td>
<td>Hydrocarbons</td>
</tr>
<tr>
<td>12.6.5 Other adverse effects:</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

<table>
<thead>
<tr>
<th>Recommendation:</th>
<th>Waste - Code - No.:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wash with suitable cleaner. Otherwise as described under Residues.</td>
<td>n.av.</td>
</tr>
</tbody>
</table>

In addition comply with the regional authorities.

### 13.2 Contaminated Packaging

<table>
<thead>
<tr>
<th>Recommendation:</th>
<th>Safe Handling:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wash with suitable cleaner. Otherwise as described under Residues.</td>
<td>As described under Residues.</td>
</tr>
</tbody>
</table>

## SECTION 14: Transport information

### ADR
Not a dangerous substance as defined in the above regulations.

### IMDG
Not a dangerous substance as defined in the above regulations.

### IATA
Not a dangerous substance as defined in the above regulations.

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
<th>Special precautions for user</th>
<th>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SECTION 15: Regulatory information

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

15.2 Chemical safety assessment:
A chemical safety assessment has not been carried out.

SECTION 16: Other information

Text of R / H phrases mentioned in Section 3
R 31: Contact with acids liberates toxic gas.
R 38: Irritating to skin.
R 41: Risk of serious damage to eyes.
R 43: May cause sensitization by skin contact.
R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 53: May cause long-term adverse effects in the aquatic environment.
EUH031: Contact with acids liberates toxic gas.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H411: Toxic to aquatic life with long lasting effects.
H413: May cause long lasting harmful effects to aquatic life.

This datasheet has been compiled in accordance with EU regulation 453/201.
The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as
accurate as possible. They are given for information only. They do not constitute a contractual guarantee of
a product’s properties. They must neither be altered nor transferred to other products.
Prepared by:
CoSiChem AG, Ernst-Lemmer-Straße 27, D - 35041 Marburg, info@cosichem.de, +49-6421-886563
Receipt of Data: 21.09.2012, $clg_0163