1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation
DPF-Flushing Liquid

Use of the substance/preparation
cleaning solvent for diesel particulate filter

Company/undertaking identification
Company name: CTP-GmbH
Street: Saalfelder Straße 35
Place: D-07338 Leutenberg
Telephone: +4936734/230-0
Telefax: +4936734/230-22
e-mail: hotline@ctp-gmbh.de
Contact person: Jens Moeller, Dipl.-Chem.
Telephone: +4936734/230-19
Internet: www.ctp-gmbh.de

Further Information
Article Number: 6161, 6162

2. Hazards identification

Classification
Indications of danger: Corrosive
R-phrases:
Causes burns.

3. Composition/information on ingredients

Chemical characterization (Mixture)
nonionic tensides
corrosion preventing agent

Hazardous components

<table>
<thead>
<tr>
<th>EC-No.</th>
<th>CAS-No.</th>
<th>Chemical name</th>
<th>Quantity</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>207-838-8</td>
<td>497-19-8</td>
<td>sodium carbonate</td>
<td>1 - 5 %</td>
<td>Xi R36</td>
</tr>
<tr>
<td>231-509-8</td>
<td>10101-89-0</td>
<td>trisodium phosphate</td>
<td>1 - 5 %</td>
<td>Xi R36/38</td>
</tr>
<tr>
<td>229-912-9</td>
<td>6834-92-0</td>
<td>sodium meta silicate x 5 H2O</td>
<td>1 - 5 %</td>
<td>C, XI R34-37</td>
</tr>
</tbody>
</table>

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

General information
Immediately remove any wetted clothing, shoes or stockings.
Avoid contact with skin and eyes.

After inhalation
No risks worthy of mention.

After contact with skin
After contact with skin, wash immediately with: Water and soap.
Take off immediately all contaminated clothing, including underwear and shoes.

After contact with eyes
If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for
at least 5 minutes. Subsequently consult an ophthalmologist.

**After ingestion**
Rinse mouth immediately and drink large quantities of water. Do not induce vomiting.
Do not allow a neutralisation agent to be drunk.

### 5. Fire-fighting measures

**Suitable extinguishing media**
- Water fog.
- Foam.
- Carbon dioxide.
- Extinguishing powder.
- Atomized water.

**Additional information**
The product itself is not combustible.
Extinguishing materials should be selected according to the surrounding area.

### 6. Accidental release measures

**Personal precautions**
Avoid contact with skin and eyes.

**Environmental precautions**
Do not empty into drains or the aquatic environment.

**Methods for cleaning up/taking up**
Wipe up with absorbent material (e.g. cloth, fleece).

### 7. Handling and storage

**Handling**

**Advice on safe handling**
Avoid contact with skin and eyes.

**Storage**

**Further information on storage conditions**
Store only in original container.
Protect against: frost.

### 8. Exposure controls/personal protection

**Exposure limit values**

**Exposure controls**

**Protective and hygiene measures**
Take off immediately all contaminated clothing
Avoid contact with skin, eye and clothing.

**Hand protection**
rubber gloves.

**Eye protection**
Tightly sealed safety glasses.
9. Physical and chemical properties

**General information**
- Physical state: liquid
- Colour: transparent
- Odour: characteristic

**Important health, safety and environmental information**

Test method

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH-Value (at 20 °C)</td>
<td>12 - 13</td>
</tr>
</tbody>
</table>

**Changes in the physical state**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
<td>&gt; 0 °C</td>
</tr>
<tr>
<td>Boiling point</td>
<td>&gt; 98 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 100 °C</td>
</tr>
<tr>
<td>Density (at 20 °C)</td>
<td>1,0 - 1,1 g/cm³</td>
</tr>
<tr>
<td>Water solubility</td>
<td>miscible.</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

**Conditions to avoid**
- Do not mix with other chemicals or cleaners.

**Materials to avoid**
- Do not mix with acids.

11. Toxicological information

**Acute toxicity**
- sodium meta silicate x 5 H2O:
  - LD50(oral, rat): 1280 mg/Kg

**Corrosive and irritant effects**
- Irritating to eyes and skin.

12. Ecological information

**Persistence and degradability**
- Tensides biologically degradable.

**Bioaccumulative potential**
- No indication of bio-accumulation potential.

**Further information**
- Do not empty into drains or the aquatic environment.

13. Disposal considerations

**Advice on disposal**
- Do not dispose with household waste.
- Do not empty into drains or the aquatic environment.
- Arrange about the exact waste code with the local waste disposal expert.
- Due to the alkaline character of the product, usually, it has to be neutralized before contaminated effluents are introduced into the waste water treatment system.

**Waste disposal number of waste from residues/unused products**
DPF-Flushing Liquid

Print date: 22.10.2010  Product code: 896  Page 4 of 6

070699  WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Waste disposal number of used product
070699  WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Contaminated packaging
Refer to manufacturer/supplier for information of recovery/recycling.

14. Transport information

Land transport (ADR/RID)

UN number: 1719
ADR/RID class: 8
Classification code: C5
Warning plate
  Hazard-no.: 80
  Hazard label: 8

ADR/RID packing group: III
Limited quantity: LQ7
Tunnel restriction code: E

Description of the goods
CAUSTIC ALKALI LIQUID, N.O.S.
sodium meta silicate x 5 H2O

Inland waterways transport

UN number: 1719
ADNR class: 8
Classification code: C5
Hazard label: 8

Packing group: III
Limited quantity: LQ7

Description of the goods
CAUSTIC ALKALI LIQUID, N.O.S.
sodium meta silicate x 5 H2O

Marine transport

UN number: 1719
IMDG code: 8
Marine pollutant: -
Hazard label: 8
DPF-Flushing Liquid

Product code: 896

IMDG packing group: III
EmS: F-A, S-B
Limited quantity: 5 L

Description of the goods
CAUSTIC ALKALI LIQUID, N.O.S.
sodium meta silicate x 5 H2O

Air transport
UN/ID number: 1719
ICAO/IATA-DGR: 8
Hazard label: 8

ICAO packing group: III
Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 819
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 821
IATA-max. quantity - Cargo: 60 L

Description of the goods
CAUSTIC ALKALI LIQUID, N.O.S.
sodium meta silicate x 5 H2O

15. Regulatory information

Labelling
Danger symbols: C - Corrosive

Hazardous components which must be listed on the label
sodium meta silicate x 5 H2O

R phrases
34 Causes burns.

S phrases
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
01/02 Keep locked up and out of the reach of children.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

EU regulatory information

Additional information
Contains:
< 5 % Phosphate
< 5 % nonionic tensides
National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

16. Other information

Full text of R-phrases referred to under sections 2 and 3

34 Causes burns.
36 Irritating to eyes.
36/38 Irritating to eyes and skin.
37 Irritating to respiratory system.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.
The receiver of our product is singulary responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)