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

1.1. Product identifier

CP-Elastic 9550 Cartridge Part A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture
Chemisches Produkt für Bau und Industrie

1.3. Details of the supplier of the safety data sheet

Company name: Chesterton International GmbH
Street: Am Lenzenfleck 23
Place: DE-85737 Ismaning GERMANY
Telephone: +49 89 99 65 46 - 0
Telex: +49 89 99 65 46 - 50
Telefax: +49 89 99 65 46 - 0
e-mail: eu-sds@chesterton.com
负责任 person: eu-sds@chesterton.com
Internet: www.chesterton.com
Responsible Department: eu-sds@chesterton.com

1.4. Emergency telephone number:
+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
- Serious eye damage/eye irritation: Eye Irrit. 2
- Specific target organ toxicity - repeated exposure: STOT RE 2
- Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:
- Causes serious eye irritation.
- May cause damage to organs through prolonged or repeated exposure.
- Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling:
diethylmethylbenzenediamine

Signal word: Warning

Pictograms:

Hazard statements
H319 Causes serious eye irritation.
Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Precautionary statements**

- **P273** Avoid release to the environment.
- **P280** Wear protective gloves/protective clothing/eye protection/face protection.

### 2.3. Other hazards

No information available.

**SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

**Hazardous components**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>EC No</th>
<th>Index No</th>
<th>REACH No</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>68479-98-1</td>
<td>diethylmethylbenzenediamine</td>
<td>270-877-4</td>
<td>612-130-00-0</td>
<td>01-219486805-25</td>
<td>10 - &lt;25 %</td>
</tr>
</tbody>
</table>

**H373** May cause damage to organs through prolonged or repeated exposure.

**H411** Toxic to aquatic life with long lasting effects.

**SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

**General information**

Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. In case of skin irritation, consult a physician. Call a doctor if you feel unwell.

**After contact with eyes**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

**After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting.
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
First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media
- Suitable extinguishing media
- Unsuitable extinguishing media
  - Full water jet

5.2. Special hazards arising from the substance or mixture
- Carbon monoxide
- Carbon dioxide (CO2)
- Nitrogen oxides (NOx)

5.3. Advice for firefighters
- Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
- See protective measures under point 7 and 8.
- Provide adequate ventilation.
- Personal protection equipment: see section 8

6.2. Environmental precautions
- Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up
- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Take up mechanically, placing in appropriate containers for disposal. Container should not be closed gas-tight.
- Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections
- See protective measures under point 7 and 8.
- Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
- Advice on safe handling
  - See section 8.
  - Do not breathe gas/fumes/vapour/spray.
  - Avoid contact with skin, eyes and clothes.
  - Wear personal protection equipment (refer to section 8).
Safety Data Sheet

according to Regulation (EC) No 1907/2006

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Keep container tightly closed.

Advice on protection against fire and explosion
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep only in the original container in a cool, well-ventilated place.
Keep container tightly closed.
storage temperature 15 - 25°C

Hints on joint storage
Keep away from:
Food and feedingstuffs
Oxidising agent
Humidity

Further information on storage conditions
Keep away from:
Frost
Heat
Humidity

7.3. Specific end use(s)
No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>DNEL type</th>
<th>Exposure route</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>68479-98-1</td>
<td>diethylmethylbenzenediamine</td>
<td>DNEL</td>
<td>Inhalation</td>
<td>Systemic</td>
<td>0,13 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td></td>
<td>Dermal</td>
<td>Systemic</td>
<td>1 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td></td>
<td>Inhalation</td>
<td>Systemic</td>
<td>0,1 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td></td>
<td>Dermal</td>
<td>Systemic</td>
<td>1 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td></td>
<td>Oral</td>
<td>Systemic</td>
<td>0,1 mg/kg bw/day</td>
</tr>
</tbody>
</table>
PNEC values

<table>
<thead>
<tr>
<th>Substance</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental compartment V</td>
<td></td>
</tr>
<tr>
<td>68479-98-1 diethylmethylbenzenediamine</td>
<td></td>
</tr>
<tr>
<td>Freshwater</td>
<td>0.001 mg/l</td>
</tr>
<tr>
<td>Freshwater (intermittent releases)</td>
<td>0.005 mg/l</td>
</tr>
<tr>
<td>Marine water</td>
<td>0 mg/l</td>
</tr>
<tr>
<td>Freshwater sediment</td>
<td>0.029 mg/kg</td>
</tr>
<tr>
<td>Marine sediment</td>
<td>0.003 mg/kg</td>
</tr>
<tr>
<td>Secondary poisoning</td>
<td>2 mg/kg</td>
</tr>
<tr>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>17 mg/l</td>
</tr>
<tr>
<td>Soil</td>
<td>0.0056 mg/kg</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls
Provide adequate ventilation.
Vapours/aerosols should be exhausted directly at the point of origin.
If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.
The exhaust air must only be let back to the working area after sufficient cleaning using approved equipment.

Protective and hygiene measures
Work in well-ventilated zones or use proper respiratory protection.
Only wear fitting, comfortable and clean protective clothing.
Avoid contact with skin, eyes and clothes.
Wash hands and face before breaks and after work and take a shower if necessary.

Eye/face protection
Suitable eye protection:
goggles
Face protection shield

Hand protection
Suitable gloves type:
Butyl caoutchouc (butyl rubber) EN ISO 374
Wear cotton undermitten if possible.

Skin protection
For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Respiratory protection
If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
Combination filtering device (EN 14387) ABEK-P2
if in doubt: Self-contained respirator (breathing apparatus) (DIN EN 133)
Environmental exposure controls
Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>various</td>
</tr>
<tr>
<td>Odour:</td>
<td>characteristic</td>
</tr>
</tbody>
</table>

**Test method**

<table>
<thead>
<tr>
<th>pH-Value:</th>
<th>not determined</th>
</tr>
</thead>
</table>

**Changes in the physical state**

<table>
<thead>
<tr>
<th>Melting point:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>&gt;200 °C</td>
</tr>
<tr>
<td>Sublimation point:</td>
<td>not determined</td>
</tr>
<tr>
<td>Softening point:</td>
<td>not determined</td>
</tr>
<tr>
<td>Pour point:</td>
<td>not determined</td>
</tr>
<tr>
<td>Flash point:</td>
<td>&gt;95 °C</td>
</tr>
</tbody>
</table>

**Flammability**

<table>
<thead>
<tr>
<th>Solid:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas:</td>
<td>not determined</td>
</tr>
</tbody>
</table>

**Explosive properties**

No information available.

<table>
<thead>
<tr>
<th>Lower explosion limits:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper explosion limits:</td>
<td>not determined</td>
</tr>
<tr>
<td>Ignition temperature:</td>
<td>&gt;= 420 °C</td>
</tr>
</tbody>
</table>

**Auto-ignition temperature**

<table>
<thead>
<tr>
<th>Solid:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas:</td>
<td>not determined</td>
</tr>
</tbody>
</table>

**Decomposition temperature:**


**Oxidizing properties**

No information available.

<table>
<thead>
<tr>
<th>Vapour pressure:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density (at 25 °C):</td>
<td>1.0 g/cm³</td>
</tr>
<tr>
<td>Water solubility:</td>
<td>partially soluble</td>
</tr>
</tbody>
</table>

**Solubility in other solvents**

No information available.

<table>
<thead>
<tr>
<th>Partition coefficient:</th>
<th>not determined</th>
</tr>
</thead>
</table>
Viscosity / dynamic: 1300 mPa·s
Vapour density: not determined
Evaporation rate: not determined

9.2. Other information
No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability
No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
Exothermic reaction with: oxidizing agents

10.6. Hazardous decomposition products
No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>68479-98-1 diethylmethylbenzenediamine</td>
<td>oral</td>
<td>LD50 mg/kg</td>
<td>ca. 598</td>
<td>Rat</td>
<td>Study report (1986)</td>
<td>Animals were administered one dose of th</td>
</tr>
<tr>
<td></td>
<td>dermal</td>
<td>LD50 mg/kg</td>
<td>&gt;1000</td>
<td>Rabbit</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Irritation and corrosivity
Causes serious eye irritation.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects
Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction
Based on available data, the classification criteria are not met.

**STOT-single exposure**
Based on available data, the classification criteria are not met.

**STOT-repeated exposure**
May cause damage to organs through prolonged or repeated exposure. (diethylmethylbenzenediamine)

Aspiration hazard
Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1. Toxicity

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</th>
<th>Dose</th>
<th>h</th>
<th>[d]</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>68479-98-1</td>
<td>diethylmethylbenzenediamine</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>96</td>
<td>Leuciscus idus (golden orfe)</td>
<td>U.S. Environmental Protection Agency, Wa</td>
<td>The structure-activity relationships</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute algae toxicity</td>
<td>ErC50</td>
<td>72</td>
<td>Desmodesmus subspicatus</td>
<td>Supplier</td>
<td>OECD 201</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>48</td>
<td>Daphnia magna</td>
<td>Study report (1993)</td>
<td>EU Method C.2</td>
<td></td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Value</th>
<th>d</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>68479-98-1</td>
<td>diethylmethylbenzenediamine</td>
<td>&lt;1%</td>
<td>28</td>
<td></td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

**Partition coefficient n-octanol/water**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>68479-98-1</td>
<td>diethylmethylbenzenediamine</td>
<td>1,37</td>
</tr>
</tbody>
</table>

**BCF**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>BCF</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>68479-98-1</td>
<td>diethylmethylbenzenediamine</td>
<td>ca. 2,75</td>
<td></td>
<td>U.S. Environmental Protection Agency</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Other adverse effects

No information available.
Further information
Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal
Dispose of waste according to applicable legislation.

Contaminated packaging
Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9
Classification code: M6
Special Provisions: 274 335 375 601
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 90
Tunnel restriction code: -

Inland waterways transport (ADN)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9
Classification code: M6
Special Provisions: 274 335 375 601
Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9
Special Provisions: 274, 335, 969
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-A, S-F

Air transport (ICAO-TI/IATA-DGR)
14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9
Special Provisions: A97 A158 A197
Limited quantity Passenger: 30 kg G
Passenger LQ: Y964
Excepted quantity: E1

14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS: yes
Danger releasing substance: Poly(oxypropylen)diamin; Diethylmethylbenzoldiamin

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No information available.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulatory information
Water contaminating class (D): 3 - highly water contaminating

15.2. Chemical safety assessment
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information
Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2; H319</td>
<td>Calculation method</td>
</tr>
<tr>
<td>STOT RE 2; H373</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Aquatic Chronic 2; H411</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

Relevant H and EUH statements (number and full text)

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H319 Causes serious eye irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

Further Information

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.

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