

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 06.09.2017

Version number 3

Revision: 06.09.2017

**1 Identification of the substance/mixture and of the company/undertaking**

- **Product identifier** (PRELIMINARY SAFETY DATA SHEET)
- **Trade name: MERPIN 8006**
- **Article number:** 601650
- **Relevant identified uses of the substance or mixture and uses advised against .**
- **Application of the substance / the mixture** Biocide
- **Uses advised against** No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Carpetex Lederhilfsmittel GmbH  
Am Selder 25  
D-47906 Kempen  
GERMANY  
Tel.: 02152 8999 55  
Fax: 02152 51 67 51  
E-Mail: info@carpetex.com
- **Further information obtainable from:** Safety and health group
- **Emergency telephone number:**  
Giftinformationszentrum Nord 24h-Auskunft: +49 551 19240  
This number is serviced during office hours: +49 2152 8999 55

**2 Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1A      H314 Causes severe skin burns and eye damage.  
Eye Dam. 1      H318 Causes serious eye damage.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS05 GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
4-chloro-3-methylphenol  
sodium hydroxide
- **Hazard statements**  
H314 Causes severe skin burns and eye damage.  
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**

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

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P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor.

- **Additional information:**

EUH208 Contains 4-chloro-3-methylphenol. May produce an allergic reaction.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**

- **Description:** aqueous solution

- **Dangerous components:**

|   |  |         |
|---|--|---------|
| CAS: 59-50-7<br>EINECS: 200-431-6<br>Index number: 604-014-00-3   | 4-chloro-3-methylphenol<br>☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317 | 25-50%  |
| CAS: 90-43-7<br>EINECS: 201-993-5<br>Index number: 604-020-00-6   | 2-phenylphenol<br>☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335       | 10-<25% |
| CAS: 1310-73-2<br>EINECS: 215-185-5<br>Index number: 011-002-00-6 | sodium hydroxide<br>☠ Met. Corr.1, H290; Skin Corr. 1A, H314   | 10-<25% |

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**

- **General information:**

Immediately remove any clothing soiled by the product.

Personal protection for the First Aider.

Keep warm, position comfortably and cover well.

- **After inhalation:**

Call a doctor immediately.

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

Use a respiratory bag or breathing device.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.

- **After eye contact:**

Call a doctor immediately.

Rinse opened eye for several minutes under running water.

Protect unharmed eye.

- **After swallowing:**

Call for a doctor immediately.

Rinse mouth.

Do not induce vomiting.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**  
First aid, decontamination, symptomatic treatment

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
Heating may cause containers to rupture/explode.  
In case of fire, the following can be released:  
Organic decomposition products  
Carbon oxides (CO<sub>x</sub>)  
Halogenated compounds  
Metal oxides / oxides
- **Advice for firefighters**
- **Protective equipment:**  
Wear protective equipment. Keep unprotected persons away.  
Wear self-contained respiratory protective device.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Particular danger of slipping on leaked/spilled product.  
Wear protective clothing.  
Avoid contact with the eyes and skin.
- **Environmental precautions:**  
Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Open and handle receptacle with care.  
Wear protective clothing.  
Do not eat, drink or smoke in working area.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** Combustible, corrosive hazardous substance

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- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Do not eat, drink, smoke or sniff while working.  
The recommended specification of the protective clothing articles is to be chosen according to the duration of the exposition, the concentration and the amount of the dangerous substances at the working environment. Seek advice of the suppliers.
- **Respiratory protection:**  
Use suitable respiratory protective device in case of insufficient ventilation.  
Suitable respiratory protective (EN141), ABEK
- **Protection of hands:**



Protective gloves

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.  
Chloroprene rubber, CR  
PVC gloves
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles (EN 166).

- **Body protection:** Protective work clothing

**9 Physical and chemical properties**

- **Information on basic physical and chemical properties**
  - **General Information**
  - **Appearance:**

|                |                |
|----------------|----------------|
| <b>Form:</b>   | Fluid          |
| <b>Colour:</b> | Yellow - Brown |
  - **Odour:** Phenol-like
  - **Odour threshold:** Not determined.
- |                                     |      |
|-------------------------------------|------|
| · <b>pH-value (1 g/l) at 20 °C:</b> | 10.5 |
|-------------------------------------|------|

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|   |   |
|---|---|
| · <b>Change in condition</b><br>Melting point/freezing point: | - 8 °C  |
| Initial boiling point and boiling range:                      | 97 °C   |
| · <b>Flash point:</b>   | > 112 °C                                      |
| · <b>Flammability (solid, gas):</b>                           | Not applicable.                               |
| · <b>Ignition temperature:</b>                                | > 500 °C                                      |
| · <b>Decomposition temperature:</b>                           | Not determined.                               |
| · <b>Auto-ignition temperature:</b>                           | Product is not selfigniting.                  |
| · <b>Explosive properties:</b>                                | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b><br>Lower:                          | Not determined.                               |
| Upper:  | Not determined.                               |
| · <b>Vapour pressure at 20 °C:</b>                            | 18 hPa  |
| · <b>Density at 20 °C:</b>                                    | 1.218 g/cm <sup>3</sup>                       |
| · <b>Relative density</b>                                     | Not determined.                               |
| · <b>Vapour density</b>                                       | Not determined.                               |
| · <b>Evaporation rate</b>                                     | Not determined.                               |
| · <b>Solubility in / Miscibility with water:</b>              | Miscible.                                     |
| · <b>Partition coefficient: n-octanol/water:</b>              | Product is an emulsifier.                     |
| · <b>Viscosity:</b><br>Dynamic:                               | Not determined.                               |
| Kinematic at 20 °C:   | 88 mm <sup>2</sup> /s                         |
| · <b>Other information</b>                                    | No further relevant information available.    |

## 10 Stability and reactivity

- **Reactivity** Product is stable under normal ambient conditions.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**  
The classification was carried out according to the calculation method described in section 3.1.3.6.1, Annex 1 of the VO1272/2008

|      |      |                  |
|------|------|------------------|
| Oral | LD50 | >2000 mg/kg (--) |
|------|------|------------------|

### 59-50-7 4-chloro-3-methylphenol

|      |      |                  |
|------|------|------------------|
| Oral | LD50 | 1830 mg/kg (rat) |
|------|------|------------------|

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|                                   |      |  |
|-----------------------------------|------|--|
| Dermal                            | LD50 | >2000 mg/kg (rat) (H312 - Annex VII ; CLP) |
| <b>90-43-7 2-phenylphenol</b>     |      |  |
| Oral                              | LD50 | 2000 mg/kg (rat)                           |
| Dermal                            | LD50 | >2000 mg/kg (rat)                          |
| <b>1310-73-2 sodium hydroxide</b> |      |  |
| Oral                              | LD50 | 2000 mg/kg (rat)                           |

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** no data
- **Carcinogenicity** no data
- **Reproductive toxicity** no data
- **STOT-single exposure** no data
- **STOT-repeated exposure** no data
- **Aspiration hazard** no data

**12 Ecological information**

- **Toxicity**

- **Aquatic toxicity:**

|      |                         |
|------|-------------------------|
| EC50 | >1 mg/l (daphne) (48 h) |
| LC50 | >1 mg/l (fish) (96 h)   |
| IC50 | >1 mg/l (alga) (72 h)   |

- **Persistence and degradability**  
The organic portion of the product is biodegradable.  
Degradation rate >90% Time (d) 28 days Method OECD 301C (CAS 59-90-7)  
Degradation rate 75% Time (d) 28 days Method OECD 301D (CAS 90-43-7)
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation**  
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Waste disposal key:**  
Determine wastes code in compliance with local waste management company according the European Waste Catalogue (EWC).
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**14 Transport information**

|   |  |
|---|--|
| · <b>UN-Number</b><br>· <b>ADR, IMDG, IATA</b>  | UN1760   |
| · <b>UN proper shipping name</b><br>· <b>ADR</b><br><br>· <b>IMDG</b><br><br>· <b>IATA</b>  | 1760 CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, 2-phenylphenol), ENVIRONMENTALLY HAZARDOUS<br>CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, 2-phenylphenol), MARINE POLLUTANT<br>Corrosive liquids, n.o.s. (Sodium hydroxide, 2-phenylphenol) |
| · <b>Transport hazard class(es)</b><br>· <b>ADR, IMDG</b>   |  |
|   |  |
| · <b>Class</b><br>· <b>Label</b>  | 8 Corrosive substances.<br>8   |
| · <b>IATA</b>   |  |
|    |  |
| · <b>Class</b><br>· <b>Label</b>  | 8 Corrosive substances.<br>8   |
| · <b>Packing group</b><br>· <b>ADR, IMDG, IATA</b>  | II   |
| · <b>Environmental hazards:</b><br>· <b>Marine pollutant:</b><br>· <b>Special marking (ADR):</b>  | Symbol (fish and tree)<br>Symbol (fish and tree)   |
| · <b>Special precautions for user</b><br>· <b>Danger code (Kemler):</b><br>· <b>EMS Number:</b><br>· <b>Segregation groups</b>  | Warning: Corrosive substances.<br>80<br>F-A,S-B<br>Alkalis   |

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|   |   |
|---|---|
| · <b>Stowage Category</b>   | B   |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.   |
| · <b>Transport/Additional information:</b>                                  |   |
| · <b>ADR</b>  |   |
| · <b>Limited quantities (LQ)</b>  | 1L  |
| · <b>Excepted quantities (EQ)</b>   | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>Transport category</b>   | 2   |
| · <b>Tunnel restriction code</b>  | E   |
| · <b>IMDG</b>   |   |
| · <b>Limited quantities (LQ)</b>  | 1L  |
| · <b>Excepted quantities (EQ)</b>   | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>UN "Model Regulation":</b>   | UN 1760 CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, 2-PHENYLPHENOL), 8, II, ENVIRONMENTALLY HAZARDOUS           |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** E2 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
  - H290 May be corrosive to metals.
  - H302 Harmful if swallowed.
  - H312 Harmful in contact with skin.
  - H314 Causes severe skin burns and eye damage.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
  - H335 May cause respiratory irritation.
  - H400 Very toxic to aquatic life.
  - H410 Very toxic to aquatic life with long lasting effects.
- **Department issuing SDS:** Safety and Health group
- **Contact:** Markus Hoffmann

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**· Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**· \* Data compared to the previous version altered.**

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