

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 09.10.2009

Revision: 09.10.2009

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

- **Product details**

- **Trade name:** Chlorphenol-Camphor-Menthol

- **Article number:** 1013 (30 ml), 1015 (100 ml)

- **Application of the substance / the preparation** chemical mix

- **Manufacturer/Supplier:**

SPEIKO-Dr.Speier GmbH, POB 7204, 48039 Münster, GERMANY

Tel. ++49/251/78904-0, Fax ++49/251/78904-22

- **Further information obtainable from:** SPEIKO-Dr.Speier GmbH, info@speiko.de

- **Information in case of emergency:**

Giftnotruf Berlin

Tel. ++49/30/19240

2 Hazards identification

- **Hazard description:**



Xn Harmful

N Dangerous for the environment

- **Information concerning particular hazards for human and environment:**

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **GHS label elements**



Warning

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.



H411 - Toxic to aquatic life with long lasting effects.

- **Prevention:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

- **Response:**

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

- **Storage:**

P405 Store locked up.

- **Disposal:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

- **Chemical characterization**

- **Description:** Mixture of substances listed below with nonhazardous additions.

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






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· Dangerous components:			
CAS: 21368-68-3 EINECS: 244-350-4	DL-bornan-2-one	 Xi,  F; R 11-36/37/38 Warning:  2.7/2;  3.2/2, 3.3/2, 3.8/3	50.0%
CAS: 106-48-9 EINECS: 203-402-6	4-chlorophenol	 Xn,  N; R 20/21/22-51/53 Warning:  3.1.O/4, 3.1.D/4, 3.1.I/4  4.1.C/2	25.0%
CAS: 89-78-1 EINECS: 201-939-0	menthol	 Xn; R 22 Warning:  3.1.O/4	25.0%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after accident.

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Call for a doctor immediately.

5 Fire-fighting measures

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

· **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

· **Measures for environmental protection:**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

· **Handling:**

· **Information for safe handling:**

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

· **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep container tightly sealed.

· **Storage class:** 12

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8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **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.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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.

9 Physical and chemical properties

· General Information

Form:	liquid
Colour:	colourless
Odour:	camphor- and menthol-like

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

· **Flash point:** 99°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined.

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Solvent content:

Organic solvents:	0.0 %
VOC (EC)	0 %

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· Solids content: 0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values relevant for classification:****21368-68-3 DL-bornan-2-one**

Oral	LD50	1310 mg/kg (mouse)
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106-48-9 4-chlorophenol

Oral	LD50	367 mg/kg (rat)
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Dermal	LD50	1500 mg/kg (rat)
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· **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.

· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

· **Ecotoxicological effects:**· **Remark:** Toxic for fish.· **General notes:**

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.

13 Disposal considerations

· **Product:**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **ADR/RID class:** 9 Miscellaneous dangerous substances and articles.

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- **Danger code (Kemler):** 90
- **UN-Number:** 3082
- **Hazard label:** 9
- **Special marking:** Symbol (fish and tree)
- **Description of goods:** 3082 Environmentally hazardous substances, liquid, n.o.s.
- **IMDG Class:** 9
- **UN Number:** 3082
- **Label** 9
- **Packaging group:** III
- **EMS Number:** F-A, S-G
- **Marine pollutant:** Yes, Symbol (fish and tree)
- **Proper shipping name:** Environmentally hazardous substances, liquid, n.o.s.

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 9
- **UN/ID Number:** 3082
- **Label** 9
- **Special marking:** Symbol (fish and tree)
- **Packaging group:** III
- **Proper shipping name:** Environmentally hazardous substances, liquid, n.o.s.

15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU directives / ordinance on hazardous materials.
- **Code letter and hazard designation of product:**
Xn Harmful
N Dangerous for the environment
- **Hazard-determining components of labelling:**
4-chlorophenol
menthol
- **Risk phrases:**
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
36/37/38 Irritating to eyes, respiratory system and skin.
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- **Safety phrases:**
2 Keep out of the reach of children.
29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
46 If swallowed, seek medical advice immediately and show this container or label.

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 R-phrases**
11 Highly flammable.
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
22 Harmful if swallowed.
36/37/38 Irritating to eyes, respiratory system and skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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