

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

### 1.1 Product identifier

Trade name: ***Marder-Abwehr-Spray***

Article number: Z 100

Registration number Baua Nr.: 47927

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

All - excluding of the listed use.

#### Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

#### Application of the substance / the mixture

biocide

defense spray against marten

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

Kemo Electronic GmbH

Leher Landstrasse

27607 Langen

Deutschland

Tel.: +49 / (0)4743 / 9338-0

Fax: +49 / (0)4743 / 9338-22

eMail: kemo-electronic@t-online.de

www.kemo-electronic.de

#### Further information obtainable from:

Abteilung Produktsicherheit.

Ansprechpartner: Frau Meike Kernchen, Tel.: +49 / (0)4743 9338-0, kemo-electronic@t-online.de

### 1.4 Emergency telephone number:

Beratungsstelle für Vergiftungserscheinungen: D - Berlin, Tel.: +49 / 30 / 19240

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

#### Additional information:

Complies with the Biocide Products Directive (Regulation (EU) no. 528/2012).

Contains Geraniol. May produce an allergic reaction.

### 2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Chemical characterisation: Mixtures

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

#### · Dangerous components:

CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-xxxx	propan-2-ol	 Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	≤ 2.5%
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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:**

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

· **After swallowing:** Rinse out mouth and then drink plenty of water.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

· **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

#### 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

#### 5.3 Advice for firefighters

· **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Keep people at a distance and stay on the windward side.

#### 6.2 Environmental precautions:

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

#### 6.3 Methods and material for containment and cleaning up:

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

#### 6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

No special measures required.  
Keep receptacles tightly sealed.

- **Information about fire - and explosion protection:** No special measures required.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage:

- **Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

- **Further information about storage conditions:** None.

- **Recommended storage temperature:** 20 °C

### 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

### 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 56-81-5 glycerol**

WEL Long-term value: 10 mg/m<sup>3</sup>

**CAS: 67-63-0 propan-2-ol**

WEL Short-term value: 1250 mg/m<sup>3</sup>, 500 ppm  
Long-term value: 999 mg/m<sup>3</sup>, 400 ppm

- **Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with the eyes and skin.

Do not eat or drink while working.

- **Respiratory protection:**

In case of insufficient ventilation and longer exposure, we recommend a respirator with filter type A.

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

Nitrile rubber.

The gloves should comply with EN 374 and ideally cover the protection class A, J, K, L.

- **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:** Goggles recommended during refilling

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· **Body protection:** Protective work clothing

## SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · General Information

##### · Appearance:

###### · Form:

Fluid

###### · Colour:

According to product specification

##### · Odour:

Characteristic

##### · Odour threshold:

Not determined.

#### · pH-value at 20 °C:

7

#### · Change in condition

##### · Melting point/Melting range:

0 °C

##### · Boiling point/Boiling range:

100 °C

#### · Flash point:

Not applicable.

#### · Flammability (solid, gaseous):

Not applicable.

#### · Ignition temperature:

400 °C

##### · Decomposition temperature:

Not determined.

#### · Self-igniting:

Product is not selfigniting.

#### · Danger of explosion:

Product does not present an explosion hazard.

#### · Explosion limits:

##### · Lower:

Not determined.

##### · Upper:

Not determined.

#### · Vapour pressure at 20 °C:

23 hPa

#### · Density at 20 °C:

0.99 g/cm<sup>3</sup>

##### · Relative density

Not determined.

##### · Vapour density

Not determined.

##### · Evaporation rate

Not determined.

#### · Solubility in / Miscibility with

##### · water:

Partly soluble.

#### · Partition coefficient (n-octanol/water):

Not determined.

#### · Viscosity:

##### · Dynamic:

Not determined.

##### · Kinematic:

Not determined.

#### · Solvent content:

##### · VOC (EC)

2.70 %

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· **9.2 Other information** No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **Primary irritant effect:**
    - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
    - **Serious eye damage/irritation**  
Based on available data, the classification criteria are not met.
  - **Respiratory or skin sensitisation**  
Based on available data, the classification criteria are not met.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
    - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
    - **Carcinogenicity** Based on available data, the classification criteria are not met.
    - **Reproductive toxicity** 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** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
  - **Additional ecological information:**
    - **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation** Smaller quantities can be disposed of with household waste.

- **European waste catalogue**

20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 29*	detergents containing hazardous substances

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

### SECTION 14: Transport information

- **14.1 UN-Number**
  - **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
  - **ADR, ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
  - **ADR, ADN, IMDG, IATA**
  - **Class** Void
- **14.4 Packing group**
  - **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:**
  - **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

- **Transport/Additional information:**

- **ADR**
- **Remarks:** ---
- **IATA**
- **Remarks:** ---

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. UN "Model Regulation": Void

## SECTION 15: Regulatory information

- . **15.1 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.
- . **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 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**
  - H225 Highly flammable liquid and vapour.
  - H319 Causes serious eye irritation.
  - H336 May cause drowsiness or dizziness.
- . **Recommended restriction of use** Do not use if allergic to geraniol.
- . **Department issuing SDS:** Product safety department.
- . **Contact:** Frau Meike Kernchen
- . **Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ICAO: International Civil Aviation Organisation
  - 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)
  - VOC: Volatile Organic Compounds (USA, EU)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Flam. Liq. 2: Flammable liquids, Hazard Category 2
  - Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
  - STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- . **\* Data compared to the previous version altered.**