



**Maston - Shoe Care Spray - Kenkäsuoja Spray  
2111001**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** Maston - Shoe Care Spray - Kenkäsuoja Spray  
2111001
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Waterproofing  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:** Maston Oy  
Teollisuustie 10  
FI 02880 Veikkola - Finland  
Phone.: +358 20 7188 580 -  
Fax: +358 20 7188 599  
maston@maston.fi  
www.maston.fi
- 1.4 Emergency telephone number:** Myrkytystietokeskus (Giftinformationcentralen) PL 340  
00029 HUS FINLAND +358(0)9471977

**SECTION 2: HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) n° 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) n° 1272/2008.  
Aerosol 1: Pressurised container: May burst if heated., H229  
Aerosol 1: Flammable aerosols, Category 1, H222  
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412  
Eye Irrit. 2: Eye irritation, Category 2, H319  
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336
- 2.2 Label elements:**  
**CLP Regulation (EC) n° 1272/2008:**  
Danger
-  
- Hazard statements:**  
Aerosol 1: H229 - Pressurised container: May burst if heated  
Aerosol 1: H222 - Extremely flammable aerosol  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects  
Eye Irrit. 2: H319 - Causes serious eye irritation  
STOT SE 3: H336 - May cause drowsiness or dizziness
- Precautionary statements:**  
P102: Keep out of reach of children  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P211: Do not spray on an open flame or other ignition source  
P251: Do not pierce or burn, even after use  
P260: Do not breathe dust/fume/gas/mist/vapours/spray  
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F
- Substances that contribute to the classification**  
Propan-2-ol; Butyl Acetate
- 2.3 Other hazards:**  
Non-applicable

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

- 3.1 Substance:**  
Non-applicable
- 3.2 Mixture:**

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**Maston - Shoe Care Spray - Kenkäsuoja Spray  
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In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

| Identification  | Chemical name/Classification   | Concentration |
|---|--|---------------|
| CAS: 67-63-0<br>EC: 200-661-7<br>Index: 603-117-00-0<br>REACH: 01-2119457558-25-XXXX    | <b>Propan-2-ol</b> ATP CLP00   | 25 - <50 %    |
|   | Regulation 1272/2008 Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger        |               |
| CAS: 106-97-8<br>EC: 203-448-7<br>Index: 601-004-00-0<br>REACH: 01-2119474691-32-XXXX   | <b>Butane</b> ATP CLP00  | 20 - <25 %    |
|   | Regulation 1272/2008 Flam. Gas 1: H220; Press. Gas: H280 - Danger                            |               |
| CAS: 74-98-6<br>EC: 200-827-9<br>Index: 601-003-00-5<br>REACH: 01-2119486944-21-XXXX    | <b>Propane</b> ATP CLP00   | 15 - <20 %    |
|   | Regulation 1272/2008 Flam. Gas 1: H220; Press. Gas: H280 - Danger                            |               |
| CAS: 64742-49-0<br>EC: 265-151-9<br>Index: 649-328-00-1<br>REACH: 01-2119475133-43-XXXX | <b>Naphtha (petroleum), &lt; 0.1 % EC 200-753-7</b> ATP ATP01                                | 10 - <15 %    |
|   | Regulation 1272/2008 Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 2: H225 - Danger |               |
| CAS: 123-86-4<br>EC: 204-658-1<br>Index: 607-025-00-1<br>REACH: 01-2119485493-29-XXXX   | <b>Butyl Acetate</b> ATP CLP00   | 1 - <5 %      |
|   | Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336 - Warning                           |               |

To obtain more information on the risk of the substances consult sections 8, 11, 12, 15 and 16.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or shower the person affected if necessary thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

**By eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Non-applicable

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media:**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>). IT IS RECOMMENDED NOT to use tap water as an extinguishing agent.

**5.2 Special hazards arising from the substance or mixture:**

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**SECTION 5: FIREFIGHTING MEASURES (continue)**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inertization agent. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**6.2 Environmental precautions:**

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling:**

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid projections and pulverizations. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Technical measures for storage

Minimum Temp.: 5 °C  
Maximum Temp.: 50 °C  
Maximum time: 36 Months

B.- General conditions for storage

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**SECTION 7: HANDLING AND STORAGE (continue)**

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the work environment

There are no environmental limits for the substances contained in the product

**8.2 Exposure controls:**

A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the professional exposure limits are exceeded.

C.- Specific protection for the hands

Non-applicable

D.- Ocular and facial protection

Non-applicable

E.- Bodily protection

Non-applicable

F.- Additional emergency measures

It is not necessary to take additional emergency measures.

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

|                           |                                       |
|---------------------------|---------------------------------------|
| V.O.C. (Supply):          | 98,65 % weight                        |
| V.O.C. density at 20 °C:  | 633,33 kg/m <sup>3</sup> (633,33 g/L) |
| Average carbon number:    | 3,87                                  |
| Average molecular weight: | 70,2 g/mol                            |

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

|                          |               |
|--------------------------|---------------|
| Physical state at 20 °C: | Aerosol       |
| Appearance:              | Not available |
| Color:                   | Not available |
| Odor:                    | Not available |

**Volatility:**

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)**

Boiling point at atmospheric pressure: -1 °C (Propellant)  
 Vapour pressure at 20 °C: 359970 Pa  
 Vapour pressure at 50 °C: 759938 Pa (760 kPa)  
 Evaporation rate at 20 °C: Non-applicable \*

**Product description:**

Density at 20 °C: 642 kg/m<sup>3</sup>  
 Relative density at 20 °C: 0,64  
 Dynamic viscosity at 20 °C: Non-applicable \*  
 Kinematic viscosity at 20 °C: Non-applicable \*  
 Kinematic viscosity at 40 °C: Non-applicable \*  
 Concentration: Non-applicable \*  
 pH: Non-applicable \*  
 Vapour density at 20 °C: Non-applicable \*  
 Partition coefficient n-octanol/water 20 °C: Non-applicable \*  
 Solubility in water at 20 °C: Non-applicable \*  
 Solubility properties: Non-applicable \*  
 Decomposition temperature: Non-applicable \*  
 Melting point/freezing point: Non-applicable \*  
 Recipient pressure: 359970 Pa (3,6 bar)

**Flammability:**

Flash Point: -60 °C (Propellant)  
 Autoignition temperature: 365 °C (Propellant)  
 Lower flammability limit: 0,8 % Volume  
 Upper flammability limit: 12 % Volume

**9.2 Other information:**

Surface tension at 20 °C: Non-applicable \*  
 Refraction index: Non-applicable \*

\*Not relevant due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

**10.2 Chemical stability:**

Chemically stable under the conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight            | Humidity       |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Not applicable     | Not applicable   | Risk of combustion      | Avoid direct impact | Not applicable |

**10.5 Incompatible materials:**

| Acids          | Water          | Combustive materials | Combustible materials | Others                        |
|----------------|----------------|----------------------|-----------------------|-------------------------------|
| Not applicable | Not applicable | Avoid direct impact  | Not applicable        | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

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**SECTION 10: STABILITY AND REACTIVITY (continue)**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A.- Ingestion:

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation:

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

C- Contact with the skin and the eyes:

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensiblizing effects. For more information see section 3.
- Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT)-time exposure:

Exposure in high consciousness can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, however, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

| Identification                            | Acute toxicity  |               | Genus  |
|---|-----------------|---------------|--------|
|   | LD50 oral       | LD50 dermal   |        |
| Naphtha (petroleum), < 0.1 % EC 200-753-7 | 5100 mg/kg      | 3160 mg/kg    | Rat    |
| CAS: 64742-49-0                           |                 |               | Rabbit |
| EC: 265-151-9                             | LC50 inhalation | 12 mg/L (4 h) | Rat    |

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**SECTION 11: TOXICOLOGICAL INFORMATION (continue)**

| Identification                                  | Acute toxicity  |                 | Genus  |
|---|-----------------|-----------------|--------|
|   |                 |                 |        |
| Butyl Acetate<br>CAS: 123-86-4<br>EC: 204-658-1 | LD50 oral       | 12789 mg/kg     | Rat    |
|   | LD50 dermal     | 14112 mg/kg     | Rabbit |
|   | LC50 inhalation | 23,4 mg/L (4 h) | Rat    |
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7    | LD50 oral       | 5280 mg/kg      | Rat    |
|   | LD50 dermal     | 12800 mg/kg     | Rat    |
|   | LC50 inhalation | 72,6 mg/L (4 h) | Rat    |
| Butane<br>CAS: 106-97-8<br>EC: 203-448-7        | LD50 oral       | Non-applicable  |        |
|   | LD50 dermal     | Non-applicable  |        |
|   | LC50 inhalation | 658 mg/L (4 h)  | Rat    |

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the eco-toxicological properties of the product itself is not available

**12.1 Toxicity:**

| Identification  | Acute toxicity |                   | Specie                  | Genus      |
|---|----------------|-------------------|-------------------------|------------|
|   |                |                   |                         |            |
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7                                  | LC50           | 9640 mg/L (96 h)  | Pimephales promelas     | Fish       |
|   | EC50           | 13299 mg/L (48 h) | Daphnia magna           | Crustacean |
|   | EC50           | 1000 mg/L (72 h)  | Scenedesmus subspicatus | Algae      |
| Naphtha (petroleum), < 0.1 % EC 200-753-7<br>CAS: 64742-49-0<br>EC: 265-151-9 | LC50           | Non-applicable    |                         |            |
|   | EC50           | 4,3 mg/L (96 h)   | Crangon crangon         | Crustacean |
|   | EC50           | Non-applicable    |                         |            |
| Butyl Acetate<br>CAS: 123-86-4<br>EC: 204-658-1                               | LC50           | 62 mg/L (96 h)    | Leuciscus idus          | Fish       |
|   | EC50           | 73 mg/L (24 h)    | Daphnia magna           | Crustacean |
|   | EC50           | 675 mg/L (72 h)   | Scenedesmus subspicatus | Algae      |

**12.2 Persistence and degradability:**

| Identification                                  | Degradability |                | Biodegradability |                |
|---|---------------|----------------|------------------|----------------|
|   |               |                |                  |                |
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7    | BOD5          | 1.19 g O2/g    | Concentration    | 100 mg/L       |
|   | COD           | 2.23 g O2/g    | Period           | 14 days        |
|   | BOD5/COD      | 0.53           | % Biodegradable  | 86 %           |
| Butyl Acetate<br>CAS: 123-86-4<br>EC: 204-658-1 | BOD5          | Non-applicable | Concentration    | Non-applicable |
|   | COD           | Non-applicable | Period           | 5 days         |
|   | BOD5/COD      | 0.79           | % Biodegradable  | 84 %           |

**12.3 Bioaccumulative potential:**

| Identification  | Bioaccumulation potential |          |
|---|---------------------------|----------|
|   |                           |          |
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7                                  | BCF                       | 3        |
|   | Pow Log                   | 0,05     |
|   | Potential                 | Low      |
| Butane<br>CAS: 106-97-8<br>EC: 203-448-7                                      | BCF                       | 33       |
|   | Pow Log                   | 2,89     |
|   | Potential                 | Moderate |
| Propane<br>CAS: 74-98-6<br>EC: 200-827-9                                      | BCF                       | 13       |
|   | Pow Log                   | 2,86     |
|   | Potential                 | Low      |
| Naphtha (petroleum), < 0.1 % EC 200-753-7<br>CAS: 64742-49-0<br>EC: 265-151-9 | BCF                       | 380      |
|   | Pow Log                   | 3,7      |
|   | Potential                 | High     |
| Butyl Acetate<br>CAS: 123-86-4<br>EC: 204-658-1                               | BCF                       | 4        |
|   | Pow Log                   | 1,78     |
|   | Potential                 | Low      |

**12.4 Mobility in soil:**

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**SECTION 12: ECOLOGICAL INFORMATION (continue)**

| Identification                                  | Absorption/desorption |                   | Volatility |                                 |
|---|-----------------------|-------------------|------------|---------------------------------|
| Propan-2-ol<br>CAS: 67-63-0<br>EC: 200-661-7    | Koc                   | 1,5               | Henry      | 8,207E-1 Pa·m <sup>3</sup> /mol |
|   | Conclusion            | Very High         | Dry soil   | Yes                             |
|   | Surface tension       | 22400 N/m (25 °C) | Moist soil | Yes                             |
| Butane<br>CAS: 106-97-8<br>EC: 203-448-7        | Koc                   | 900               | Henry      | 9,626E+4 Pa·m <sup>3</sup> /mol |
|   | Conclusion            | Low               | Dry soil   | Yes                             |
|   | Surface tension       | 11870 N/m (25 °C) | Moist soil | Yes                             |
| Propane<br>CAS: 74-98-6<br>EC: 200-827-9        | Koc                   | 460               | Henry      | 7,164E+4 Pa·m <sup>3</sup> /mol |
|   | Conclusion            | Moderate          | Dry soil   | Yes                             |
|   | Surface tension       | 7020 N/m (25 °C)  | Moist soil | Yes                             |
| Butyl Acetate<br>CAS: 123-86-4<br>EC: 204-658-1 | Koc                   | Non-applicable    | Henry      | Non-applicable                  |
|   | Conclusion            | Non-applicable    | Dry soil   | Non-applicable                  |
|   | Surface tension       | 24780 N/m (25 °C) | Moist soil | Non-applicable                  |

**12.5 Results of PBT and vPvB assessment:**

Non-applicable

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

| Code      | Description   | Waste class (Regulation (EU) No 1357/2014) |
|-----------|---|--|
| 16 05 04* | Gases in pressure containers (including halons) containing dangerous substances | Dangerous                                  |

**Type of waste (Regulation (EU) No 1357/2014):**

HP14 Ecotoxic, HP3 Flammable, HP4 Irritant — skin irritation and eye damage, HP5 Specific Target Organ Toxicity (STOT) /Aspiration Toxicity

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

**SECTION 14: TRANSPORT INFORMATION**

**Transport of dangerous goods by land:**

With regard to ADR 2015 and RID 2015:



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**SECTION 14: TRANSPORT INFORMATION (continue)**



|   |                     |
|---|---------------------|
| <b>14.1 UN number:</b>  | UN1950              |
| <b>14.2 UN proper shipping name:</b>  | AEROSOLS, flammable |
| <b>14.3 Transport hazard class(es):</b>   | 2                   |
| Labels:   | 2.1                 |
| <b>14.4 Packing group:</b>  | N/A                 |
| <b>14.5 Dangerous for the environment:</b>                                      | No                  |
| <b>14.6 Special precautions for user</b>  |                     |
| Special regulations:  | 190, 327, 625       |
| Tunnel restriction code:  | D                   |
| Physico-Chemical properties:  | see section 9       |
| Limited quantities:   | 1 L                 |
| <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:</b> | Non-applicable      |

**Transport of dangerous goods by sea:**

With regard to IMDG 37-14:



|   |                     |
|---|---------------------|
| <b>14.1 UN number:</b>  | UN1950              |
| <b>14.2 UN proper shipping name:</b>  | AEROSOLS, flammable |
| <b>14.3 Transport hazard class(es):</b>   | 2                   |
| Labels:   | 2.1                 |
| <b>14.4 Packing group:</b>  | N/A                 |
| <b>14.5 Dangerous for the environment:</b>                                      | No                  |
| <b>14.6 Special precautions for user</b>  |                     |
| Special regulations:  | Non-applicable      |
| EmS Codes:  | F-D, S-U            |
| Physico-Chemical properties:  | see section 9       |
| Limited quantities:   | 1 L                 |
| <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:</b> | Non-applicable      |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2015:



|   |                     |
|---|---------------------|
| <b>14.1 UN number:</b>  | UN1950              |
| <b>14.2 UN proper shipping name:</b>  | AEROSOLS, flammable |
| <b>14.3 Transport hazard class(es):</b>   | 2                   |
| Labels:   | 2.1                 |
| <b>14.4 Packing group:</b>  | N/A                 |
| <b>14.5 Dangerous for the environment:</b>                                      | No                  |
| <b>14.6 Special precautions for user</b>  |                     |
| Physico-Chemical properties:  | see section 9       |
| <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:</b> | Non-applicable      |

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Propan-2-ol (Product-type 1, 2, 4)

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**SECTION 15: REGULATORY INFORMATION (continue)**

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH):**

Non-applicable

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers

Commission Directive 94/1/EC of 6 January 1994 adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of the relating Member States to aerosol dispensers

Commission Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers

Commission Directive 2013/10/EU of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION**

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EU) N° 453/2010, Regulation (EC) N° 2015/830)

**Modifications related to the previous security card which concerns the ways of managing risks. :**

Non-applicable

**Texts of the legislative phrases mentioned in section 2:**

H412: Harmful to aquatic life with long lasting effects

H336: May cause drowsiness or dizziness

H229: Pressurised container: May burst if heated

H222: Extremely flammable aerosol

H319: Causes serious eye irritation

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) n° 1272/2008:**

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

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways

Eye Irrit. 2: H319 - Causes serious eye irritation

Flam. Gas 1: H220 - Extremely flammable gas

Flam. Liq. 2: H225 - Highly flammable liquid and vapour

Flam. Liq. 3: H226 - Flammable liquid and vapour

Press. Gas: H280 - Contains gas under pressure, may explode if heated

STOT SE 3: H336 - May cause drowsiness or dizziness

**Classification procedure:**

Aquatic Chronic 3: Calculation method

STOT SE 3: Calculation method

Aerosol 1: Calculation method

Aerosol 1: Calculation method

Eye Irrit. 2: Calculation method

**Advice related to training:**

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

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Safety data sheet

According to 1907/2006/EC (REACH), 453/2010/EU, 2015/830/EU

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**SECTION 16: OTHER INFORMATION (continue)**

<http://esis.jrc.ec.europa.eu>

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

CL50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol–water partition coefficient

Koc: Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -