

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

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1.1. Product identifier

Product name : VALMA SLOT FREE
Product code : W90

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

Application : Consumer product (SU21). Car maintenance. De-icer.

1.3. Details of the supplier of the safety data sheet

Supplier : Service Best International B.V.
De Run 4271
5503LM Veldhoven, The Netherlands
E-mail : info@servicebest.com
Website : www.servicebest.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

NL - Telephone : 040-2302300

(During office hours only)

EMERGENCY TELEPHONE NUMBER (in the UK and Ireland for healthcare professionals only):

(24/7)

SECTION 2 HAZARDS IDENTIFICATION

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2.1. Classification of the substance or mixture

CLP classification (1272/2008/EC) : Flammable liquid, category 2. Eye irritation, category 2. Specific target organ toxicity after single exposure, category 3.
Human health hazards : Causes serious eye irritation. May cause drowsiness or dizziness. Contains petroleum distillates, may be harmful when ingested.
Physical/chemical hazards : Highly flammable. Keep away from sources of ignition — No smoking.
Environmental hazards : Not classified as dangerous according to statutory EC-Directives.
Other information : Keep out of the reach of children. If swallowed, seek medical advice immediately and show this container or label.

2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Danger

H- and P-phrases : H336 May cause drowsiness or dizziness.
P102 Keep out of reach of children.
P261 vapour Avoid breathing vapours.
P501 Dispose of contents/container to an approved waste disposal plant.

Additional labelling

: Contains: Propan-2-ol



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Other information : According to Regulation (EC) No 1272/2008, the packaging of this product shall carry a tactile warning of danger.

2.3. Other hazards

Other information : The product does not need to carry all label elements required by Article 17 of Regulation (EC) No 1272/2008 on the basis of Annex I, point 1.5.2.1. Exemption for packages where the contents do not exceed 125 ml. Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

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3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

| Substance name | Concentration (w/w) (%) | CAS nr. | EC number | REACH nr. | OEL |
|--|-------------------------|----------|-----------|------------------|-----|
| Propan-2-ol Flam. Liq. 2; Eye Irrit. 2; STOT SE 3 H225; H319; H336 | > 75 | 67-63-0 | 200-661-7 | 01-2119457558-25 | # |
| Ethane-1,2-diol Acute Tox. 4; STOT RE 2 H302; H373 | 1 - < 5 | 107-21-1 | 203-473-3 | 01-2119456816-28 | # |

Reference is made to chapter 16 for full text of each relevant H phrase. Substance(s) with an Occupational Exposure Limit are marked with #. Occupational exposure limit(s) are listed in section 8.

SECTION 4 FIRST AID MEASURES

4.1. Description of first aid measures

First aid measures

- Inhalation : Move victim into fresh air. Consult a doctor if victim feels unwell.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up.
- Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor.
- Ingestion : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth to an unconscious person. Consult a doctor immediately.

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

Effects and symptoms

- Inhalation : May cause headache, drowsiness, dizziness and a feeling of sickness.
- Skin contact : No specific effects and/or symptoms are known.
- Eye contact : Irritant. May cause redness and pain.
- Ingestion : May cause a feeling of sickness, vomiting and diarrhoea. May cause lung damage, sore throat and lack of breath.

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

Note to physicians : None known.

SECTION 5 FIREFIGHTING MEASURES

5.1. Extinguishing media



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Extinguishing media

- Suitable : Carbondioxide (CO2). Alcohol resistant foam. Dry chemical. Water fog.
Not suitable : Water jet.

5.2. Special hazards arising from the substance or mixture

- Special exposure hazards : None known.
Hazardous thermal decomposition products : Carbon monoxide may be evolved if incomplete combustion occurs.

5.3. Advice for firefighters

- Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material. Keep away from sources of ignition — No smoking. Vapours are heavier than air. Build up (of gasses) in low areas involves risk of suffocation.

6.2. Environmental precautions

- Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. Large spills: contain with dike.
Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

6.4. Reference to other sections

- Reference to other sections : For guidance on selection of personal protective equipment see section 8. For guidance on disposal of spilled material see section 13.

SECTION 7 HANDLING AND STORAGE

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7.1. Precautions for safe handling

- Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Do not breathe vapour. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

- Storage : Keep in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents. Protect from sunlight.
Recommended packaging : Keep only in the original container.
Non recommended packaging : Butyl. Rubber.

7.3. Specific end use(s)

- Use : Use only as directed. Do not breathe spray.



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SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Occupational exposure limits (mg/m³):

| Chemical name | Country | TWA 8 hour (mg/m ³) | STEL 15 min (mg/m ³) | Comments |
|-----------------|---------|---------------------------------|----------------------------------|----------|
| Propan-2-ol | GB | 999 | 1250 | - |
| Ethane-1,2-diol | GB | 52 | 104 | Skin |
| Ethane-1,2-diol | EC | 52 | 104 | Skin |

Derived no-effect level (DNEL) for workers:

| Chemical name | Route of exposure | DNEL, short-term | | DNEL, long-term | |
|-----------------|----------------------|------------------|-----------------|----------------------|---|
| | | Local effect | Systemic effect | Local effect | Systemic effect |
| Propan-2-ol | Dermal Inhalation | | | | 888 mg/kg bw/day 500 mg/m ³ |
| Ethane-1,2-diol | Dermal Inhalation | | | 35 mg/m ³ | 106 mg/kg bw/day |

Derived no-effect level (DNEL) for consumers:

| Chemical name | Route of exposure | DNEL, short-term | | DNEL, long-term | |
|-----------------|------------------------------|------------------|-----------------|---------------------|--|
| | | Local effect | Systemic effect | Local effect | Systemic effect |
| Propan-2-ol | Dermal Inhalation | | | | 319 mg/kg bw/day 89 mg/m ³ |
| Ethane-1,2-diol | Oral Dermal Inhalation | | | 7 mg/m ³ | 26 mg/kg bw/day 53 mg/kg bw/day |

Predicted no-effect concentration (PNEC):

| Chemical name | Route of exposure | Fresh water | Marine water | |
|-----------------|--------------------|-------------|--------------|----------------|
| Propan-2-ol | Water | 140,9 mg/l | 140,9 mg/l | |
| | Sediment | 552 mg/kg | 552 mg/kg | |
| | Intermittent water | | | 140,9 mg/l |
| | STP | | | 2251 mg/l |
| | Soil | | | 28 mg/kg |
| Ethane-1,2-diol | Oral | | | 160 mg/kg food |
| | Water | 10 mg/l | 1 mg/l | |
| | Sediment | 20,9 mg/kg | | |
| | Intermittent water | | | 10 mg/l |
| | STP | | | 199,5 mg/l |
| | Soil | | | 1,53 mg/kg |

8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.
Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

Body protection : Use of specific protective industrial clothing is not required under normal conditions of use.



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- Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.
- Hand protection : Under normal conditions of use specific gloves are not required.
- Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact.
- Thermal hazards : Not applicable.
- Environmental exposure controls : Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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9.1. Information on basic physical and chemical properties

- Appearance : Liquid.
- Colour : Colourless.
- Odour : Characteristic.
- Odour threshold : Not known.
- pH : Not applicable. Waterfree product.
- Solubility in water : Soluble.
- Partition coefficient (n-octanol/water) : Not known.
- Flash point : 14 °C
- Flammability (solid, gas) : Not applicable. Liquid. See flashpoint.
- Auto ignition temperature : > 320 °C
- Boiling point/boiling range : 82 °C
- Melting point/melting range : -70 °C
- Explosive properties : None known. Does not contain explosives.
- Explosion limits (in air) : Not known. Lower explosion limit in air (%): 2 (Propan-2-ol)
Upper explosion limit in air (%): 15,3 Ethane-1,2-diol
- Oxidising properties : Not applicable. Does not contain oxidizing substances.
- Decomposition temperature : Not applicable.
- Viscosity (20°C) : Not known.
- Viscosity (40°C) : Not relevant. The product contains < 10% substances having an aspiration hazard.
- Vapour pressure (20°C) : 4200 Pa
- Vapour density (20°C) : > 1 (air = 1)
- Relative density (20°C) : 0,8 g/ml
- Evaporation rate : > 1 (n-butyl acetate = 1)

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

- Reactivity : See sub-sections below.

10.2. Chemical stability

- Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

- Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

- Conditions to avoid : See section 7.

10.5. Incompatible materials



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Materials to avoid : Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION

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11.1. Information on toxicological effects

No toxicological research has been carried out on this product.

Inhalation

- Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 3 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. May cause damage to organs. Target organ(s): Central nervous system. Effect(s): Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, lightheadedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death.
- Corrosion/irritation : Not classified - based on available data, the classification criteria are not met.
- Sensitisation : Does not contain respiratory sensitisers. Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

Skin contact

- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Unlikely to cause irritation. Not classified - based on available data, the classification criteria are not met.
- Sensitisation : Does not contain skin sensitisers. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

Eye contact

- Corrosion/irritation : Irritant.

Ingestion

- Acute toxicity : Calculated LD50: > 4313 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met. After ingestion, at vomiting, risk of aspiration in the lungs.
- Corrosion/irritation : May cause a feeling of sickness, stomachache, vomiting and diarrhoea. Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

Toxicological information:

| Chemical name | Property | | Method | Test animal |
|---------------|------------------------------|-------------------|----------|-------------|
| Propan-2-ol | LD50 (oral) | 4396 mg/kg bw | ----- | Rat |
| | LD50 (dermal) | 12800 mg/kg bw | ----- | Rat |
| | LC50 (inhalation) | 46600 mg/m3 | ----- | Rat |
| | Skin irritation | Slightly irritant | OECD 404 | Rabbit |
| | Eye irritation | Irritant | OECD 405 | Rabbit |
| | NOAEL (fertility, oral) | 407 mg/kg bw/d | | Rat |
| | NOAEL (development, oral) | 400 mg/kg bw/d | | Rat |
| | NOEL (carcinogenicity, oral) | Not carcinogenic | OECD 416 | Rat |



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| | | | |
|------------------------------|-------------------------|----------|------------|
| Skin sensitisation | Not sensitizing | OECD 406 | Guinea pig |
| Mutagenicity | Negative | OECD 471 | |
| NOAEL (inhalation) | 12500 mg/m ³ | OECD 451 | Rat |
| Genotoxicity - in vivo | Not genotoxic | OECD 474 | Mouse |
| NOEL (carcinogenicity, inh.) | 12500 mg/m ³ | | Mouse |
| Genotoxicity - in vitro | Not genotoxic | OECD 476 | |
| NOAEL (oral) | 870 mg/kg bw/d | ----- | Rat |

SECTION 12 ECOLOGICAL INFORMATION

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12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Calculated LC50 (fish): 635 mg/l. Calculated EC50 (waterflea): 234 mg/l. Contains < 1 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Persistence – degradability : No specific information known. The surfactants contained in this preparation do not comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents. This product shall not be used in cleaners.

12.3. Bioaccumulative potential

Bioaccumulative potential : Contains bioaccumulating substances.

12.4. Mobility in soil

Mobility : If product enters soil, it will be highly mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

12.6. Other adverse effects

Other information : Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning : Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION

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14.1. UN number

UN nr. : UN 1219

14.2. UN proper shipping name

Transport name : ISOPROPANOL (ISOPROPYL ALCOHOL)
Transport name (IMDG, IATA) : ISOPROPANOL (ISOPROPYL ALCOHOL)

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : 3
Classification code : F1
Packaging group : II
Danger label : 3



Other information : Not intended for carriage by inland waterways in tank-vessels.

IMDG (sea)

Class : 3
Packaging group : II
EmS (fire / spill) : F - E / S - D
Marine pollutant : No

IATA (air)

Class : 3

14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments.

SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EC) No 830/2015 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations.

15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

SECTION 16 OTHER INFORMATION

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16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EC) No 830/2015 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.



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Changed or new information with regard to the previous release is indicated with an asterisk (*).

Full text of H-phrases mentioned in section 3:

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

Full text of hazard classes mentioned in section 3:

| | |
|--------------|---|
| Flam. Liq. 2 | : Flammable liquid, category 2. |
| Acute Tox. 4 | : Acute toxicity, category 4. |
| Eye Irrit. 2 | : Eye irritation, category 2. |
| STOT SE 3 | : Specific target organ toxicity after single exposure, category 3. |
| STOT RE 2 | : Specific target organ toxicity — repeated exposure, category 2. |

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

| | |
|------------|---|
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| DNEL | Derived no-effect level |
| ECETOC TRA | European centre for ecotoxicology and toxicology of chemicals. Targeted risk assessment |
| EU | European Union |
| EUSES | European Union System for the Evaluation of Substances |
| IBC code | Intermediate Bulk Container |
| LD50 LC50 | Lethal Dose/Concentration for 50% of a population |
| NOAEL | No Observed (Adverse) Effect Level |
| NOEC | No observed effect concentration |
| OEL | Occupational exposure limit |
| PBT | Persistent, Bioaccumulative and Toxic |
| PC | Chemical product category |
| PNEC | Predicted no-effect concentration |
| STP | Sewage Treatment Plant |
| SU | Sector of Use |
| SVHC | Substance of very high concern |
| TWA/STEL | Time-Weighted Average/Short Term Exposure Limit |
| vPvB | Very Persistent and Very Bioaccumulative |

Number format : "," used as decimal separator.