

## Safety data sheet

### ACCORDING TO COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006

Printing date 20.12.2024

Version number 2.0 (replaces version 1.0)

Revision: 20.12.2024

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

- **1.1 Product identifier**
- **Trade name:** Sofin Laundry perfume Love Charm
- **UFI:** 03CA-8URF-0Q38-RKF1
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Laundry fragrance burst
- **Uses advised against:** No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Dr. Miele Cosmed Group S.A.  
ul. Wielkopolska 3, 26-600 Radom, Poland  
tel. +48 48 384 58 01  
www.sofin.pl  
sofin@dr-miele.eu
- **1.4 Emergency telephone number:** +48 48 384 58 01 (Mo. to Fr. 8:00 - 17:00) or 112

#### 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:**  
EUH208 Contains DIMETHYLHYDROXY FURANONE (4-Hydroxy-2,5-dimethyl-3(2H)-furanone), TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES (1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one), BENZISOTHIAZOLINONE (1,2-benzisothiazol-3(2H)-one), HEXYL CINNAMAL (α-hexylcinnamaldehyde). May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Determination of endocrine-disrupting properties** Not applicable.

#### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture: consisting of the following components.

##### Dangerous components:

CAS: 68155-66-8 EC number: 915-730-3 Reg.nr.: 01-2119489989-04	TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES (1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)	≥0.1-<0.25%
	⚠ Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	

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





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**Trade name: Sofin Laundry perfume Love Charm**

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CAS: 101-86-0 EINECS: 202-983-3 Reg.nr.: 01-2119533092-50	HEXYL CINNAMAL ( $\alpha$ -hexylcinnamaldehyde)  Acute Tox. 3, H331;  Skin Sens. 1, H317	$\geq 0.1$ - <1%
CAS: 3658-77-3 EINECS: 222-908-8	DIMETHYLHYDROXY FURANONE (4-Hydroxy-2,5-dimethyl-3(2H)-furanone)  Eye Irrit. 2, H319; Skin Sens. 1A, H317	<0.1%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6 Reg.nr.: 01-2120761540-60	BENZISOTHIAZOLINONE (1,2-benzisothiazol-3(2H)-one)  Acute Tox. 2, H330;  Eye Dam. 1, H318;  Aquatic Chronic 1, H410;  Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317 Specific concentration limit: Skin Sens. 1A; H317: C $\geq$ 0.036 %	<0.025%

**Regulation (EC) No 648/2004 on detergents / Labelling for contents**

non-ionic surfactants	<5%
preservation agents (PHENOXYETHANOL, SODIUM BENZOATE, BENZISOTHIAZOLINONE), perfumes (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, HEXYL CINNAMAL, CITRUS AURANTIUM PEEL OIL, LIMONENE, LINALOOL, ALPHA-ISOMETHYL IONONE, CITRONELLOL, LINALYL ACETATE, COUMARIN, EUCALYPTUS GLOBULUS OIL)	

**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**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Rinse with warm water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **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:**  
Use fire extinguishing methods suitable to surrounding conditions.  
Water spray
- **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**  
Avoid skin and eye contact.  
Slipping hazard due to leaking product.

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- **6.2 Environmental precautions:**  
Dilute with plenty of water.  
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**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
No special measures required.  
Keep away from frost and heat.
- **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.
  - **Information about storage in one common storage facility:** Not required.
  - **Further information about storage conditions:** Store and transport uprightly.
  - **Storage class:** 12
- **7.3 Specific end use(s)**  
The product is an aid for cleaning household textiles. Observe warnings and instructions on the packaging.

## SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **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.

### · PNECs

#### **5949-29-1 CITRIC ACID (Citric Acid Monohydrate)**

PNEC water (fresh water)	440 µg/l
PNEC water (marine water)	44 µg/l
PNEC sediment (fresh water)	34.6 mg/kg
PNEC sediment (marine water)	3.46 mg/kg
PNEC (soil)	33.1 mg/kg
PNEC (sewage plant)	>1,000 mg/l

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further relevant information available.
- **Individual protection measures, such as personal protective equipment**
- **Respiratory protection:** Not required.

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· **Hand protection**

Due to missing tests, it is not possible to give exact information about the glove material for the product.

Recommended is therefore:

Only use chemical-protective gloves with CE-labelling of category III.

· **Material of gloves**

Recommended for contact with the product are protective gloves of chemical protection category III made of special nitrile (material thickness > 0.1 mm). Protective gloves should be tested for workplace specific suitability (e.g. mechanical and thermal resistance, antistatic, etc.). For first signs of wear, the protective gloves must be replaced immediately.

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**

Penetration time > 480 minutes recommended. Named penetration times can be significantly shorter in practice.

· **Eye/face protection** Goggles recommended during refilling

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Environmental exposure controls**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**SECTION 9: Physical and chemical properties**

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

· **General Information**

· **Physical state**

Liquid

· **Colour:**

Cloudy

· **Odour:**

Pleasant

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

100 °C (7732-18-5 water)

· **Flammability**

Not flammable.

· **Lower and upper explosion limit**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

242 °C (61788-85-0 Castor oil, hydrogenated, ethoxylated)

DIN EN ISO 13736:2022-12

· **Auto-ignition temperature:**

375 °C (61788-85-0 Castor oil, hydrogenated, ethoxylated)

· **Decomposition temperature:**

Not determined.

· **pH at 20 °C**

3.6-4.4

· **Viscosity:**

· **Kinematic viscosity**

Not determined.

· **Dynamic:**

Not determined.

· **Solubility**

· **water:**

Fully miscible.

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· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	23 hPa (7732-18-5 water)
· Density and/or relative density	
· Density at 20 °C:	0.995-1.015 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
<b>· 9.2 Other information</b>	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	0.5 %
· Water:	93.7 %
· Solids content:	≥0.9-<1 %
· Change in condition	
· Evaporation rate	Not determined.
<b>· Information with regard to physical hazard classes</b>	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Product is stable.
- **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** Keep away from frost and heat.
- **10.5 Incompatible materials:** No further relevant information available.

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· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**
**ATE (Acute Toxicity Estimates)**

Inhalative	LC50/4 h	>3,966 mg/l (rat)
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**122-99-6 PHENOXYETHANOL (2-phenoxyethanol)**

Oral	LD50	1,394 mg/kg (ATE)
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		1,260 mg/kg (rat)
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Dermal	LD50	5,000 mg/kg (rabbit)
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**5949-29-1 CITRIC ACID (Citric Acid Monohydrate)**

Oral	LD50	5,400 mg/kg (mouse) (OECD TG 401)
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		>3,000 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat) (OECD TG 402)
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**101-86-0 HEXYL CINNAMAL (α-hexylcinnamaldehyde)**

Oral	LD50	3,100 mg/kg (rat) (OECD TG 401)
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Dermal	LD50	>3,000 mg/kg (rat) (OECD TG 402)
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Inhalative	LC50/4 h	>5 mg/l (rat) (OECD TG 403)
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**2634-33-5 BENZISOTHAZOLINONE (1,2-benzisothiazol-3(2H)-one)**

Oral	LD50	1,193 mg/kg (rat)
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Dermal	LD50	4,115 mg/kg (rat)
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- **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.
- **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.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

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## SECTION 12: Ecological information

### · 12.1 Toxicity

#### · Aquatic toxicity:

##### **5949-29-1 CITRIC ACID (Citric Acid Monohydrate)**

Toxicity (fish): LC50 440-760 mg/l, 96 h (*Leuciscus idus*)

Toxicity (Algae): EC50 120 mg/l, 72 h (*Daphnia carinata*)

##### **2634-33-5 BENZISOTHIAZOLINONE (1,2-benzisothiazol-3(2H)-one)**

Toxicity (fish): LC50 2.18 mg/l, 96 h (*Oncorhynchus mykiss*) (OECD TG 203)

Toxicity (Daphnia): EC50 2.94 mg/l, 48 h (*Daphnia magna*) (OECD TG 202)

Toxicity (Algae): EC50 0.11 mg/l, 72 h (*Pseudokirchneriella subcapitata*) (OECD TG 201)

Toxicity chronic (Algae): NOEC 0.027 mg/l, 72 h (*Skeletonema costatum*) (OECD TG 201)

### · 12.2 Persistence and degradability

No information for the product available. The contained surfactants are readily biodegradable.

##### **122-99-6 PHENOXYETHANOL (2-phenoxyethanol)**

Readily biodegradable &gt;90 % (OECD TG 301 A)

##### **5949-29-1 CITRIC ACID (Citric Acid Monohydrate)**

Readily biodegradable 97 % (28 d) (OECD TG 301 B)

##### **2634-33-5 BENZISOTHIAZOLINONE (1,2-benzisothiazol-3(2H)-one)**

Readily biodegradable % (OECD TG 301 B)

### · 12.3 Bioaccumulative potential No further relevant information available.

### · 12.4 Mobility in soil No further relevant information available.

### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### · 12.7 Other adverse effects

#### · Additional ecological information:

#### · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

### · 13.1 Waste treatment methods

#### · Recommendation

Empty the container thoroughly.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

#### · Waste disposal key:

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- **Uncleaned packaging:**
- **Recommendation:**  
Non contaminated packagings may be recycled.  
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- |   |                 |
|---|-----------------|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR, IMDG, IATA</b>                            | Void            |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, IMDG, IATA</b>                           | Void            |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void            |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | Void            |
| · <b>14.5 Environmental hazards:</b>  | Not applicable. |
| · <b>14.6 Special precautions for user</b>  | Not applicable. |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b>                       | Not applicable. |
| · <b>UN "Model Regulation":</b>   | Void            |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**  
The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Regulations:** Regulation (EC) No: 1907/2006, 1272/2008, 648/2004 (all as amended).
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**  
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**  
None of the ingredients is listed.

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**· Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**· National regulations:**

- **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information given in the Material Safety Data Sheet only apply to the described product in connection with its appropriate utilization. These particulars are based on our present knowledge. In particular, the information derive the purpose of describing our product under the aspect of hazards caused by such product and pertaining safety actions. The information does not constitute any guarantee of product quality and/or quality features.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

**· Relevant phrases**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H331 Toxic if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

**· Training hints**

- When manufacturing and distributing the product: information and instruction in handling, safety and hygiene.
- When transporting the product: information and instruction in ADR.

**· Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**· Department issuing SDS:**

Regulatory Affairs  
FS

**· Contact:**

reg@dr-miele.eu  
sofin@dr-miele.de

**· Date of previous version: 20.12.2024**
**· Version number of previous version: 1.0**
**· Abbreviations and acronyms:**

ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships (marine pollution)  
IBC: Intermediate Bulk Container  
IMO: International Maritime Organisation  
ECHA: European Chemicals Agency  
IVIS: In Vitro Irritancy Score  
CLP regulation: "Classification, Labelling and Packaging" regulation, regulation (EC) Nr. 1272/2008  
REACH (regulation): "Registration, Evaluation, Authorisation and Restriction of Chemicals" regulation, regulation (EC) Nr. 1907/2006

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CE: Conformité Européenne (European Conformity)

Reg. no.: Registration number

log Kow / log Pow: decadic logarithm of the octanol/water partition coefficient

ADR: Accord relatif au transport international 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)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

EC50: Effective concentration, 50 percent

WEL: Workplace Exposure Limits

NOAEL (NOAEC): No observed adverse effect level (concentration)

NOEL (NOEC): No observed effect level (concentration)

NLP: No-Longer-Polymer

OECD: Organisation for Economic Co-operation and Development

TG: Test Guideline

BCOP: Bovine Corneal Opacity and Permeability

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Acute Tox. 3: Acute toxicity – Category 3

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

Skin Sens. 1A: Skin sensitisation – Category 1A

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

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