

Safety data sheet

according to 1907/2006/EC, Article 31

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Printing date 16.06.2017

Revision: 16.06.2017

Version number 2

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

1.1 Product identifier

Trade name: frisch-aktiv Spülmaschinen-Deo 2in1

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

Sector of Use SU21 Consumer uses: Private households / general public / consumers

Product category PC28 Perfumes, fragrances

Environmental release category

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

Application of the substance / the mixture dishwasher deo

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

ORO-Produkte Marketing International GmbH

Im Hengstfeld 47

D-32657 Lemgo

Telefon: +49 (0) 5261 - 28893 - 0

Telefax: +49 (0) 5261 - 28893 - 48

Informing department:

Quality Management

info@oro-marketing.de

1.4 Emergency telephone number: During office hours (08:00 - 16:00): +49(0)5261 - 28893 - 0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms GHS07

Signal word Warning

Hazard-determining components of labelling:

EUCALYPTOL

MENTHONE

Hazard statements

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container to hazardous or special waste collection point.

Labelling of packages where the contents do not exceed 125 ml

Hazard pictograms GHS07

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Signal word Warning

Hazard-determining components of labelling:

EUCALYPTOL

MENTHONE

Hazard statements

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container to hazardous or special waste collection point.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: The mixture contains no PBT substance (PBT= persistent, bioaccumulative, toxic).

vPvB: The mixture contains no vPvB substance (vPvB= very persistent, very bioaccumulative).

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of the substances listed below with harmless additions.

Dangerous components:

CAS: 18479-58-8 EINECS: 242-362-4 Reg.nr.: 01-2119457274-37	Seveniff ⚠ Eye Irrit. 2, H319	< 25%
CAS: 54830-99-8 EINECS: 259-367-2	Cyclacet Aquatic Chronic 3, H412	< 5%
CAS: 25279-09-8 EINECS: 246-788-1	Dihydromyrcenylformiat ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 5%
CAS: 112-31-2 EINECS: 203-957-4 Reg.nr.: 01-2119967771-26-XXXX	decanal ⚠ Eye Irrit. 2, H319	< 5%
CAS: 115-95-7 EINECS: 204-116-4	Bergamol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 5%
CAS: 124-13-0 EINECS: 204-683-8 Reg.nr.: 01-2119638274-38-XXXX	octanal ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 5%
CAS: 61792-11-8 EINECS: 263-214-5	Lemonile ⚠ Aquatic Chronic 2, H411	< 5%
CAS: 470-82-6 EINECS: 207-431-5 Reg.nr.: 01-2119967772-24-XXXX	EUCALYPTOL ⚠ Flam. Liq. 3, H226; ⚠ Skin Sens. 1B, H317	< 5%
CAS: 89-80-5 EINECS: 201-941-1	MENTHONE ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317	< 1%
CAS: 5655-61-8 EINECS: 227-101-4	(-)-Bornyl acetate	< 1%
CAS: 112-44-7 EINECS: 203-972-6	Undecanal ⚠ Skin Irrit. 2, H315	< 1%

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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

Instantly remove any clothing soiled by the product.

Take affected persons out of danger area and instruct to lie down.

After inhalation Supply fresh air; consult doctor in case of symptoms.

After skin contact

Instantly rinse with water.

If skin irritation continues, consult a doctor.

After eye contact

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

After swallowing

Do not induce vomiting; instantly call for medical help.

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

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents Water with a full water jet.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Do not inhale explosion gases or combustion gases.

Additional information Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid eye and skin contact.

6.2 Environmental precautions:

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not allow to enter drainage system, surface or ground water.

Do not allow product to reach sewage system or water bodies.

Inform respective authorities in case product reaches water or sewage system.

6.3 Methods and material for containment and cleaning up:

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

Ensure adequate ventilation.

6.4 Reference to other sections

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 information on disposal.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

When using do not eat, drink, smoke.

Wash hands before breaks and after work.

Observe instructions for use.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Do not store in stairways or passageways.

Store only in closed original packaging.

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

Further information about storage conditions:

Store at room temperature.

Store under dry conditions.

Storage class 10-13

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

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Protection of hands:

Protective gloves.

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves Butyl rubber, BR

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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: Safety glasses recommended during refilling.

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:	yellow/blue
Smell:	perfumed
Odour threshold:	Not determined.

pH-value:	Not determined.
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Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

Flash point:	77 °C
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Inflammability (solid, gaseous)	Not applicable.
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Ignition temperature:

Decomposition temperature:	Not determined.
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Self-inflammability:	Product is not selfigniting.
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Danger of explosion:	Product is not explosive.
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Critical values for explosion:

Lower:	Not determined.
Upper:	Not determined.

Steam pressure:	Not determined.
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Density at 20 °C	0.937-0.967 g/cm ³
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Relative density	Not determined.
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Vapour density	Not determined.
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Evaporation rate	Not determined.
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Solubility in / Miscibility with

Water:	Fully miscible
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Partition coefficient (n-octanol/water):	Not determined.
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Viscosity:

dynamic:	Not determined.
kinematic:	Not determined.

9.2 Other information	No further relevant information available.
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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 strong heat

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.

LD/LC50 values that are relevant for classification:

18479-58-8 Seveniff

Oral	LD50	3600 mg/kg
Dermal	LD50	>5000 mg/kg
Inhalative	LD50	>100 mg/l

25279-09-8 Dihydromyrcenylformiat

Oral	LD50	3850 mg/kg
Dermal	LD50	>5000 mg/kg
Inhalative	LD50	>100 mg/l

112-31-2 decanal

Oral	LD50	3730 mg/kg (rat)
Dermal	LD50	5040 mg/kg (rbt)

115-95-7 Bergamol

Oral	LD50	>5000 mg/kg
Dermal	LD50	>5000 mg/kg
Inhalative	LD50	>100 mg/l

124-13-0 octanal

Oral	LD50	5630 mg/kg (rat)
Dermal	LD50	6350 mg/kg (rbt)

470-82-6 EUCALYPTOL

Oral	LD50	2480 mg/kg
Dermal	LD50	>5000 mg/kg
Inhalative	LD50	>100 mg/l

89-80-5 MENTHONE

Oral	LD50	2500 mg/kg
Dermal	LD50	>5000 mg/kg
Inhalative	LD50	>100 mg/l

Primary irritant effect:

Skin corrosion/irritation no experimental data available on the preparation as such

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Serious eye damage/irritation

no experimental data available on the preparation as such

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

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.**Germ cell mutagenicity:** no experimental data available on the preparation as such**Carcinogenicity:** no experimental data available on the preparation as such**Reproductive toxicity:** no experimental data available on the preparation as such**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.**Aspiration hazard:** no experimental data available on the preparation as such**Specific target organ toxicity, single exposure:**

no experimental data available on the preparation as such

Specific target organ toxicity, repeated exposure:

no experimental data available on the preparation as such

11.2 Other information:**Additional toxicological information:**

Classification according to calculation procedure. Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated used.

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.**Ecotoxicological effects:****Remark:** Harmful to fish**Additional ecological information:****General notes:**

Water hazard class 2 (Self-assessment): hazardous for water.

Danger to drinking water if even small quantities leak into soil.

Harmful to aquatic organisms

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

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

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

Hand over to disposers of hazardous waste.

Consult the appropriate authorities about waste disposal.

Waste disposal key number:

eg 16 03 06

eg 16 05 09

Recommendation:

Send to a hazardous waste incinerator facility under observation of official regulations.

Uncleaned packagings:

Recommendation:

Packaging can be reused or recycled after cleaning.

Dispose of packaging according to regulations on the disposal of packagings.

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:

Not applicable.

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.

UN "Model Regulation":

Void

SECTION 15: Regulatory information

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

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

National regulations

Information about limitation of use:

Employment restrictions concerning young persons must be observed.

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Employment restrictions concerning pregnant and lactating women must be observed.

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Department issuing data specification sheet: Quality Assurance

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

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

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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