

SAFETY DATA SHEET

According to the European parliament and Committee (ES) no. 1907/2006 - REACH

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Revision date:

Product name: *Enrituals – Desire, Tranquility, Vitality, Passion
Automatic washing powder*

1. Identification of substance / compounds and company / business:

1.1. Identification of substance or compound:

1.1.1. Business title of the compound: *Enrituals – Desire, Tranquility, Vitality, Passion
Automatic washing powder*

1.1.2. Recommended purpose of use: **Designed for washing clothes**

1.2. Identification of company or enterprise:

1.2.1. Name/ Business name: **DOCHEMA, s.r.o.**
Registered office of the manufacturer: **Olomoucká 349/67, 571 01 Moravská Třebová**
Identification number: **IČO 259 94 883**
Phone: Phone/Fax: **+420 461 312 725**
E-mail: domema@dochema.cz

1.2.2. Emergency telephone number: **731 151 797**

1.3. Information in case of accident in the CR:

1.3.1. Emergency telephone number for the whole CR: **Permanent: 2 24919293 or 2 24915402**

1.3.2. Address: **Klinika nemocí z povolání
(Occupational Diseases Clinic)
Toxikologické informační středisko (TIS)
(Toxicological Information Centre (TIC))
Na Bojišti 1, 128 00 Prague 2**

2. Risk identification:

2.1. General substance classification:

The compound is subject to obligatory indication according to the calculation method for evaluating hazardous features of agents based on the physical-chemical characteristics, hazardous to health and environment specified in regulation MPO no. 232/2004 Coll..

The compound is not classified as dangerous.

2.2. Most severe adverse effects on human health and environment:

The compound can irritate eyes. Long-term, repeated contact with skin can cause its degreasing and inflammation.

It is not expected for the substance to cause long-term adverse effects for the environment.

2.3. Further risks:

Inhaling dust may cause respiratory irritation.

2.4. Information specified on the package:

See point 15

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3. Composition / information on components:

3.1. Chemical characteristics of the compound:

Compound of sodium carbonate, detergents, fillers, and auxiliary substances.

The product contains the hazardous substances below as per the criteria in Act no.356/2003 Coll. and its executive regulations (R specified in chapter 16):

Chemical name	CAS number	Number ES (EINECS)	Index number	Content in (%)	Classification	R-Sentence(s)
Sodium carbonate	207-838-8	497-19-8		15 - 30	Xi	36
Alkyl (C10-C13) sodium benzene-sulphonan	68411-30-3	270-115-0		< 1	Xn, Xi	22-38-41
Toluene sodium sulphonan	12068-03-0	235-080-1		< 1	Xi	41
Subtilisin	9014-01-1	232-752-2	647-012-00-8	< 1	Xi	37/38-41-42

Full R phrase wording is specified in chapter 16.

4. First aid instructions:

4.1. General instructions:

If health symptoms appear or if in doubt, contact a physician and provide him/her with information from this safety sheet.

4.2. During inhalation: **Transfer the victim to a source of fresh air. Call a physician.**

4.3. During skin contact: **Wash under running water and treat the affected location with repair cream.**

4.4. Eye contact:

Thoroughly rinse (with open eyelids) with large amount of water, at least 15 minutes, if the irritation persists, seek medical help immediately.

4.2. After ingestion: **Thoroughly rinse mouth with water, drink approx. 0.5l of water. Do not induce vomiting, seek medical help.**

4.6. Other information: -

4.6.1. Recommendations for first aid: **Symptomatic treatment.**

5. Measures for fire extinguishing operation:

5.1. Suitable extinguishers: **Fire extinguishing is adapted to the fire in the vicinity. The compound is not classified as flammable.**

5.2. Unsuitable extinguishers: **Non-existent**

5.3. Special hazards (notification of specific hazards during fire and extinguishing):

Gas toxic products.

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5.4. Special protective aids for fire-fighters:
Insulation respirator.

6. Measures in the event of accidental leakage:

- 6.1. Safety measures for personal protection:
Non-existent Prevent direct contact with eyes and skin. Do not inhale the dust.
- 6.2. Safety measures for environment protection:
Prevent further leakage. Restrict the area. Pay attention to the sewer. Prevent leakage of the agent to soil and water. If the substance penetrates water, inform local authorized bodies.
- 6.3. Recommended methods for cleaning and disposal:
Collect or brush into a waste vessel, place in designed suitable container. Minimize the dust dispersion.
Take for disposal to an authorized company for hazardous waste disposal. Dispose in compliance with the applicable legislation for waste.
- 6.4. Other information:
After removing the agent, wash the contaminated area with large amount of water.

7. Handling and storage:

- 7.1. Handling instructions:
- 7.1.1. Measures for safe handling of the compound: **Use protection work equipment, Ensure the workplace is well ventilated. Avoid eating, drinking and smoking.**
- 7.1.2. Further special requirements including the prohibited or recommended procedures during handling of the agent: -
- 7.1.3. Protection from fire or explosion: -
- 7.2. Storage instructions:
- 7.2.1. Compound storage instructions:
Store at temperatures +5°C to 25°C in dry and well ventilated areas, protected from weather conditions, direct sunlight, heat, and moisture in original, well closed packages inaccessible for children.
- 7.2.2. Conditions for safe joint storage:
Store away from food, drinks, and feed. Keep away from children and animals.

8. Limiting exposure / protective equipment:

8.1. Exposure limits for substances:

Compound	Concentration %	PEL (mg/m ³)	NPK –P (mg/m ³)
Carbonates	< 20	5	10

Technical measures (potentially other measures) for limiting the exposure of persons:

Use suitable personal protection equipment for work.
Ensure the workplace is well ventilated.

8.2. Control parameters:

Recommended method for measuring substances in the air: **Not available.**

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- 8.3. Personal protection equipment:
Protection of respirator organs: **Protection respirator**
Eye protection: **Protective goggles during production, application are not necessary**
Hand protection: **Safety gloves**
Skin protection: **Work clothing during production, application are not necessary**
- 8.4. Further data incl. general hygienic measures:
Observe common health protection measures during work with chemical substances. Prevent ingestions and eye contact, i.e. do not eat, drink, and smoke during work. Take off contaminated parts of clothing. Treat skin with suitable repair creams.

9. Physical and chemical properties:

- 9.1. State (at 20°C): **Powder**
9.2. Colour: **White with green and red particles**
9.3. Odour (scent): **Characteristic, perfume**
9.4. Value pH (at 20°C): **approx. 12.5**
9.5. Thawing temperature (temperature ranges) (°C): **Not applicable**
9.6. Boiling temperature (temperature ranges) (°C): **Not applicable**
9.7. Inflammation point (°C): **Non-specified.**
9.8. Flammability: **Non-specified**
9.9. Self-ignition: **Does not self-ignite**
9.10. Combustion limit: upper limit (% vol.):
lower limit (% vol.):
9.11. Oxidative properties: **Non-specified**
9.12. Vapour tension (at 20°C): -
9.13. Solubility (at 20°C):
- in water: **Optional**
- in fats: (including specific oils): **Non-specified**
9.14. Distribution coefficient: n-octanol/water: **Non-specified.**

10. Stability and reactivity:

- 10.1. Conditions under which the product is stable:
Under common use method at specified storage, the product is stable.
- 10.2. Conditions that need to be avoided: **High temperatures, moisture, product is hygroscopic.**
- 10.3. Substances and materials, the agent must not be in contact: **Acids, aluminium, fluorite.**
- 10.4. Hazardous products of degradation: **Carbon oxides.**

11. Toxicological information:

- 11.1. Acute toxicity of the agent: LD₅₀, orally, sewer-rat (mg.kg⁻¹): **not tested**
LD₅₀, dermally, sewer-rat (mg.kg⁻¹): **not tested**
LC₅₀, by inhalation, sewer-rat, for aerosols or particles (ppm/4 hrs):
not tested
LC₅₀, inhalation, sewer-rat, for gases and vapours (mg.l⁻¹/10 hour):
not tested

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- 11.2. Sub-chronic- chronic toxicity of the agent: **Not specified.**
11.3. Agent irritation:
For skin and mucosa: **Not specified.** Eye irritation: **Not specified, serious damage may occur**
11.4. Sensitization: **Not specified.**
11.5. Carcinogenicity: **Not specified for the agent.**
11.6. Mutagenesis: **No mutagenic features**
11.7. Animal testing: **The compound was not tested on animals.**
11.8. Acute toxicity of components:
LD₅₀, orally, sewer-rat (mg.kg⁻¹) for sodium carbonate: **4090**
Sodium alkyl benzene sulfphonate: **438**

12. Ecological information:

12.1. Eco-toxicology data were not specified for the agent experimentally, the classification was completed on the basis of conventional calculation method (regulation MPO č.232/2004 Coll. As amended. 369/2005 Coll.). The agent is not classified as harmful to environment.

12.2. Ecotoxicity:

- Acute toxicity of the preparation to aquatic organisms **Non-specified.**
– LC₅₀, 96 hrs., fish (mg.kg⁻¹): **Non-specified.**
– EC₅₀, 48 hrs., daphnia (mg.kg⁻¹): **Non-specified.**
– IC₅₀, 72 hrs., algae (mg.kg⁻¹): **Non-specified.**

12.3. Mobility: **Non-specified.**

12.4. Persistence & degradability: **Non-specified.**

12.5. Bioaccumulation potential: **Non-specified.**

12.6. Other information:

12.6.1. CHSK for the agent: **Non-specified**

12.5.2. BSK₅: **Non-specified**

12.6. Other information: -

The agent must not penetrate surface and ground water and sewer within larger amounts.

12.7. Degradability of the surface active substances in the agent:

The surface active substances contained in the compound conform to the requirements of European Community for biological degradability of detergents (648/2004 EC). The surface active substances contained in this agent comply with biodegradability according to EU regulation 648/2004 on detergents. Data confirming the statement above are available for the competent institutions of the Union member states upon direct request.

13. Information on disposal:

Proceed as per Act on waste and according to the implementation regulations regarding the waste disposal.

13.1. Methods of preparation disposal:

Collect in assigned vessels. Larger compound amounts must be handed for disposal to a specialized company authorized for such activity. Minimize the dust dispersion. Disperse dust by mild water sprinkling.

13.2. Methods of safely disposing of contaminated packaging:

Recycle the package according to the official regulations.

13.3. Legal regulations in the CR:

Act No. 185/2001 Coll., on waste as amended.

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Act no. 477/2001 Coll., on packages, as amended.

14. Information on Transport:

14.1. Land transport:

14.1.1. ADR:

Class:

UN number:

Type of packaging:

14.1.2. Other information:

The products are transported in common, covered, and clean transport vehicles. In upward position, i.e. the lid upwards, protected against weather effects, direct sunlight, freezing, impacts and falls.

15. Information on legal regulations:

15.1. Substance classification and indication:

Among others, the below Czech legal regulations apply to the substance:

- Act no. 356/2003 Sb., on chemical substances and chemical preparations and on certain law revisions, as amended in related regulations.
 - MPO Decree no. 369/05 Coll., as amended.
 - MPO Decree no. 231/2004 Coll. As amended in Decree no. 460/2005 Coll., which specifies the detailed content of safety data sheets.
 - Decree no.648/2004/ES on detergents. The label must include the safety information according to Act 356/03 Coll. As amended, and also further information according to clause 11 regulation (ES) no. 648/2004.
- Safety data sheet as per clause 9(3) Regulation (ES) no. 648/2004 is available at the manufacturer.
- Regulation of the European Parliament and Committee (ES) no. 1907/2006 - REACH

15.2. Designation:

- warning symbols: **None**
- R-phrases: **None**
- S-phrases: **S 2 Keep out of the reach of children**
S 22 Do not inhale the dust

15.3. Indication on the agent package:

Content specified on the label (as per the Regulation of the European Parliament and Committee (ES) no. 648/2004 on detergents):

Enrituals Desire:

Less than 5% anion surface active substances, enzymes, bentonites, perfumes, Hexyl Cinnamal.
Further contains: 15% or more but less than 30% sodium carbonate.

Enrituals Tranquility:

Less than 5% anion surface active substances, enzymes, bentonites, perfume.
Further contains: 15% or more but less than 30% sodium carbonate.

Enrituals Vitality:

Less than 5% anion surface active substances, enzymes, bentonites, perfume.
Further contains: 15% or more but less than 30% sodium carbonate.

Enrituals Passion:

Less than 5% anion surface active substances, enzymes, bentonites, perfume.
Further contains: 15% or more but less than 30% sodium carbonate.

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15.5. Other legal regulations related to the agent as amended:

Regulation 109/2005 Coll.

The lists of chemical substances and agents prohibited from the introduction on the market or where the introduction on the market, completed introduction or limited use.

Regulation 234/2004 Coll.

On possible application of alternative or different title of hazardous chemical agent in the indication of hazardous chemical agents and the assignment of exceptions.

Act no. 258/200 Coll.

On Public Health protection as amended in Act no. 274/2003, Coll.

Act no. 185/2001 Coll.

On waste as amended in Act 188/2004 Coll.

Act no. 477/2001 Coll.

On packages as amended in Act 94/2004 Coll.

Government Directive No. 178/2001, Coll., Occupational health protection of employees

16. Additional information:

16.1. Further information significant as regards the safety and health protection of humans (e.g. instructions for training, recommended application of the agent, recommendations for restricted application of the agent, etc.)

During appropriate training for work, the health hazards are minimum.

Physical persons performing individual activities within the handling of the agent are trained and regularly at least once a year, re-trained.

16.2. Information regarding the data source used for establishing the safety sheet:

Manufacturer data, database (particularly EUROLIST) and catalogues MERC and FLUKA.

16.3. **The list of applied R phrases in this SDS:**

R 22	Harmful if swallowed.
R 36	Irritating to eyes.
R 37/38	Irritating to respiratory system and skin.
R 38	Irritating to skin.
R 41	Risk of serious damage to eyes.
R 42	May cause sensitization by inhalation

This safety data sheet replaces the previous version, which shall hereby cease to be valid. Changes in the SDS will be resolved by revisions and indicated.

Declaration:

The properties of PBT and vPvB were assessed as per attachment XIII to the regulation REACH: The compound substances have no hazardous features.

The safety sheet includes data necessary for providing the occupational health and safety and environmental protection. The specified data comply with the existing condition of information and experience, and according to the knowledge of our suppliers, and upon the use of results published in specialist literature, and comply with the applicable legal regulations. Despite this, the data may not be necessarily complete. They cannot be considered as the guarantee of suitability and usability of the product for the specific application, it is not quality related specification.

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