

SAFETY DATA SHEET

ORS-Sorb® ORIGINAL, ORS-Sorb® SPECIAL



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

| | |
|-------------|------------|
| Date issued | 13.03.2018 |
|-------------|------------|

1.1. Product identifier

| | |
|--------------|---------------------------------------|
| Product name | ORS-Sorb® ORIGINAL, ORS-Sorb® SPECIAL |
|--------------|---------------------------------------|

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

| | |
|---|--|
| Use categories nordic (UCN). | 1 Absorbents and adsorbents |
| Use of the substance / preparation | Absorbent for cleaning and recovery of oil/liquid spillages. |
| Standard industrial classification (NACE) | E39 – Remediation activities and other waste management services |

1.3. Details of the supplier of the safety data sheet

| | |
|------------------|---|
| Company name | Oy Operative Recovery Solutions JMR Ltd |
| Postal address | Hämeentie 155 a |
| Postcode | 00560 |
| City | Helsinki |
| Country | Finland |
| Telephone number | +358 44 7737441 |
| Website | www.ors-sorb.com |
| Enterprise No. | 2420837-5 |

1.4. Emergency telephone number

| | |
|---------------------|---|
| Emergency telephone | Telephone number: 09-471977 or 09-4711 Description: Poison Information Centre (in Finland), P.O. Box 790 (Tukholmankatu 17), 00029 HUS |
| | Telephone number: 112 Description: Common emergency number |

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

| | |
|---------------------------|--|
| CLP classification, notes | In accordance with CLP/GHS regulation (EC) No 1272/2008, the product has not been classified as hazardous. |
|---------------------------|--|

2.2. Label elements

| | |
|-------------------------------|---|
| Other label information (CLP) | No labeling. In accordance with current regulations, this product has not been classified as hazardous. |
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2.3. Other hazards

| | |
|---------------|---|
| PBT / vPvB | For results of PBT and vPvB assessment, see point 12.5. |
| Other hazards | None reported. |

SECTION 3: Composition / information on ingredients

3.2. Mixtures

| | |
|----------------------------|---|
| Description of the mixture | Non toxic, synthetic absorbent. The product contains: Water (CAS 7732-18-5) 40-45 % Carbon (CAS 7440-44-0) 20-30 % Nitrogen (CAS 7727-37-9) 20-30 % Ammonium phosphate (CAS 7722-76-1) 1-5 % Urea (CAS 57-13-6) 0-1 % |
| Substance comments | The product does not contain ingredients classified as hazardous to health or the environment at concentrations exceeding the concentration limits for listing such ingredients. |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| General | If the situation is unclear or symptoms persist, seek medical attention. |
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Skin contact | Wash skin immediately with plenty of water and soap. |
| Eye contact | Immediately flush eyes with plenty of water for several minutes, holding eyelids open. If eye irritation or other symptoms persist, seek medical attention. |
| Ingestion | Rinse mouth with water and then drink plenty of water. Do NOT induce vomiting. Get medical attention if symptoms occur. |

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

| | |
|------------------------------|-------------|
| Acute symptoms and effects | None known. |
| Delayed symptoms and effects | None known. |

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

| | |
|-------------------|------------------------|
| Other information | Treat symptomatically. |
|-------------------|------------------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|------------------------------|---|
| Suitable extinguishing media | Use an extinguishing agent suitable for the surrounding fire. |
|------------------------------|---|

5.2. Special hazards arising from the substance or mixture

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| Hazardous combustion products | Harmful compounds may be evolved during fire. Carbon monoxide. Carbon dioxide. |
|-------------------------------|--|

5.3. Advice for firefighters

| | |
|-------------------------------|---|
| Personal protective equipment | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA). |
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|---|
| General measures | Avoid generation and spreading of dust. |
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| Personal protection measures | Wear appropriate personal protective equipment. |
|------------------------------|---|

6.2. Environmental precautions

| | |
|--------------------------------------|-------------------------------|
| Environmental precautionary measures | No special measures required. |
|--------------------------------------|-------------------------------|

6.3. Methods and material for containment and cleaning up

| | |
|-------------|-------------------------------|
| Containment | No special measures required. |
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6.4. Reference to other sections

| | |
|--------------------|---|
| Other instructions | Safe handling: see point 7. Personal protective equipment: see point 8. Waste disposal: see point 13. |
|--------------------|---|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|----------|--------------------|
| Handling | Prevent spillages. |
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Protective safety measures

| | |
|--|----------------------------|
| Preventive measures to prevent aerosol and dust generation | Prevent formation of dust. |
|--|----------------------------|

| | |
|--|---|
| Advice on general occupational hygiene | Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of workday. |
|--|---|

7.2. Conditions for safe storage, including any incompatibilities

| | |
|---------------------|---|
| Storage | Store in a dry place. Store in a closed container. Store away from food and feedstuffs. |
| Conditions to avoid | Protect from moisture. |

Conditions for safe storage

| | |
|--|---|
| Packaging compatibilities | Store in original package or container. |
| Requirements for storage rooms and vessels | Keep container tightly closed. |

7.3. Specific end use(s)

| | |
|-----------------|----------------|
| Specific use(s) | None reported. |
|-----------------|----------------|

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

| | |
|--|---|
| Other Information about threshold limit values | No applicable exposure limit values. DNEL/PNEC: Not available. |
|--|---|

8.2. Exposure controls

Precautionary measures to prevent exposure

| | |
|--|------------------------------|
| Technical measures to prevent exposure | Ensure adequate ventilation. |
|--|------------------------------|

Eye / face protection

| | |
|-------------------------|---|
| Suitable eye protection | Wear suitable protective goggles if there is a risk of eye contact or conditions are dusty. |
|-------------------------|---|

Hand protection

| | |
|----------------------|---|
| Suitable gloves type | Wear applicable chemical resistant safety gloves. |
|----------------------|---|

Skin protection

| | |
|------------------------------|---------------------------------------|
| Suitable protective clothing | Under normal conditions not required. |
|------------------------------|---------------------------------------|

Respiratory protection

| | |
|-------------------------------------|--|
| Respiratory protection necessary at | In case of inadequate ventilation wear respiratory protection. |
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Appropriate environmental exposure control

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|---------------------------------|----------------------------------|
| Environmental exposure controls | No special precautions required. |
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---|
| Physical state | Solid. Granulate. Block. |
| Colour | White. |
| Odour | Not known. |
| Odour limit | Comments: Unknown. |
| pH | Value: 4 – 6 |
| Melting point / melting range | Comments: Unknown. |
| Boiling point / boiling range | Comments: Unknown. |
| Flash point | Value: 2000 °C |
| Evaporation rate | Comments: Unknown. |
| Flammability (solid, gas) | Not flammable. |
| Explosion limit | Comments: Unknown. |
| Vapour pressure | Comments: Unknown. |
| Vapour density | Comments: Unknown. |
| Specific gravity | Comments: Unknown. |
| Solubility | Medium: Water Comments: Not water-soluble. |
| Partition coefficient: n-octanol/water | Comments: Unknown. |
| Spontaneous combustability | Comments: Not self-igniting. |
| Decomposition temperature | Comments: Unknown. |
| Viscosity | Comments: Unknown. |
| Explosive properties | Not classified as explosive. |
| Oxidising properties | Not classified as oxidising. |

9.2. Other information

Other physical and chemical properties

| | |
|----------|----------------|
| Comments | None reported. |
|----------|----------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|------------|---|
| Reactivity | Not reactive under normal use and storage conditions. |
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10.2. Chemical stability

| | |
|-----------|--|
| Stability | Chemically stable under normal storage conditions. |
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10.3. Possibility of hazardous reactions

| | |
|------------------------------------|-------------|
| Possibility of hazardous reactions | None known. |
|------------------------------------|-------------|

10.4. Conditions to avoid

| | |
|---------------------|-------------|
| Conditions to avoid | None known. |
|---------------------|-------------|

10.5. Incompatible materials

| | |
|--------------------|-------------------------|
| Materials to avoid | Strong inorganic acids. |
|--------------------|-------------------------|

10.6. Hazardous decomposition products

| | |
|----------------------------------|-------------|
| Hazardous decomposition products | None known. |
|----------------------------------|-------------|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|--------------------------|---|
| Other toxicological data | There is no toxicological data available about the product as such. The product is not classified as acutely toxic. |
|--------------------------|---|

Other information regarding health hazards

| | |
|---|---|
| Assessment of skin corrosion / irritation, classification | The product is not classified as irritant or corrosive to skin. |
| Assessment of eye damage or irritation, classification | The product is not classified as damaging or irritating to eyes. |
| Sensitisation | The product is not classified as a respiratory or skin sensitiser. |
| Mutagenicity | The product is not classified as a mutagen. |
| Carcinogenicity, other information | The product is not classified as a carcinogen. |
| Reproductive toxicity | The product is not classified as toxic to reproduction. |
| Assessment of specific target organ SE, classification | The product is not classified as toxic to specific target organs at a single exposure. |
| Assessment of specific target organ toxicity RE, classification | The product is not classified as toxic to specific target organs through repeated exposure. |
| Assessment of aspiration hazard, classification | The product is not classified as an aspiration hazard. |

Symptoms of exposure

| | |
|-------------------|-----------------------------------|
| Other information | No other health effects reported. |
|-------------------|-----------------------------------|

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------------|--|
| Aquatic, comments | There is no ecotoxicological data available about the product as such. |
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12.2. Persistence and degradability

| | |
|---|----------------|
| Persistence and degradability, comments | Biodegradable. |
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12.3. Bioaccumulative potential

| | |
|---------------------------|-------------------------------------|
| Bioaccumulative potential | The product is not bioaccumulative. |
|---------------------------|-------------------------------------|

12.4. Mobility in soil

| | |
|----------|--------------------|
| Mobility | No data available. |
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12.5. Results of PBT and vPvB assessment

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|------------------------|--|
| PBT assessment results | The product contains no components considered to be either persistent, bioaccumulative or toxic (PBT). |
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12.6. Other adverse effects

| | |
|----------------------------------|--|
| Environmental details, summation | There is no environmental data available about the product as such. The product is not classified as hazardous to the environment. |
|----------------------------------|--|

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-------------------|---|
| Other information | Dispose of in compliance with local and national regulations. |
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SECTION 14: Transport information

14.1. UN number

| | |
|----------|---|
| Comments | The product is not classified for transportation. |
|----------|---|

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

| | |
|----------|--|
| Comments | The product is not classified as hazardous to the environment. |
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14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

| | |
|-----------------------------|--------------------------|
| Legislation and regulations | No specific regulations. |
|-----------------------------|--------------------------|

15.2. Chemical safety assessment

| | |
|--------------------------------------|----|
| Chemical safety assessment performed | No |
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SECTION 16: Other information

| | |
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| List of relevant H-phrases (Section 2 and 3) | |
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| | |
|-----------------|-------------------------|
| Training advice | Read safety data sheet. |
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|--|--|
| Key literature references and sources for data | Previous version of the SDS (01.04.2014) Product specifications by manufacturer |
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| | |
|---------|---|
| Version | 1 |
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|-------------|----------------|
| Prepared by | Linnunmaa Ltd. |
|-------------|----------------|

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| Comments | The information of this safety data sheet is based on existing public information sources, such as current legislation, available at the time of publication of the completed safety data sheet, and information on the Customer's products that has been provided by the Customer to Linnunmaa Ltd. The Customer is responsible that the information provided to Linnunmaa Ltd. is accurate and up to date. |
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