

SAFETY DATA SHEET

Yocoair Powder

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

Date issued 30.11.2012

1.1. Product identifier

Product name Yocoair Powder

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

Use of the substance/preparation Deodorising powder

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company Odén AB
Postal address Gunnarstorp Gläntan 2
SE-590 75 Ljungsbro
Sweden
Tel +46 (0)13 62084
Fax +46 (0)13 62083
E-mail info@luktfritt.nu
<http://www.luktfritt.nu>

1.4. Emergency telephone number

Only emergency call number: 112 or 999

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification notes Classification according to 67/548/EEC or 1999/45/EC: Not classified.

Substance / mixture hazardous properties None

2.2. Label elements

R phrases None

S phrases Keep out of the reach of children.

The Safety Data Sheet is available upon request for professional users.

2.3. Other hazards

The product contains no PBT or vPvB substances.

Warning! Yocoair can neutralize any odoring agent that has been added to gases.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Component name	Identification	Classification	Contents
Sodium hydrogen carbonate	CAS no.: 144-55-8 EC no.: 205-633-8		< 100 %
Iron (II) sulfate (1:1) heptahydrate	CAS no.: 7782-63-0 Index no.: 026-003-01-4	Xn; R22 Xi; R36/38 Acute tox. 4; H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315	< 10 %

See section 16 for explanation of Risk-phrases (R) and hazard statements (H) listed above.

SECTION 4: First aid measures

4.1. Description of first aid measures

General If in doubt, seek medical advice.

Inhalation Fresh air. Consult a doctor if symptoms should occur.

Skin contact Rinse the skin immediately with lots of water. Remove contaminated clothing. Get medical attention if any discomfort continues.

Eye contact Immediately rinse with water for several minutes. Hold the eyelids apart. Remove any contact lenses. By prolonged rinsing, use luke warm water to avoid damage to the eye. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly. Drink a few glasses of water or milk. Do not induce vomiting. Contact physician if larger quantity has been consumed.

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

Inhalation: high concentrations of dust may cause coughing, difficulty breathing, pain/ burning sensation and nosebleed.

Skin contact: prolonged contact may cause dry skin.

Eye contact: transient irritation (redness, burning, tearing).

Swallowing: larger amounts may cause abdominal pain, nausea, vomiting and diarrhea. Very high doses can lead to heart palpitations.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media All common fire extinguishing agents may be used. Use fire-extinguishing media appropriate for surrounding materials.

Improper extinguishing media Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards The product is non-combustible.

Hazardous combustion products Can include, but are not limited to: Carbon monoxide (CO), carbon dioxide (CO₂), sulphurous gases (SO_x).

5.3. Advice for firefighters

Self-contained breathing apparatus may be required by rescue workers. In case of evacuation, use escape mask where possible.

Containers close to fire should be removed immediately or cooled with water. Extinguishing water must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate well. Avoid generation and spreading of dust. For personal protection, see section 8.

6.2. Environmental precautions

Do not allow to enter into sewer, water system or soil.

6.3. Methods and material for containment and cleaning up

Carefully sweep up and collect. Small quantities can be dissolved/diluted in water and flushed to drain. Collect in suitable containers and deliver as waste according to section 13.

6.4. Reference to other sections

See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use work methods which minimise dust production. Avoid inhalation of dust and contact with skin and eyes.

Protective Measures

Wash hands after contact with the product. Do not eat, drink or smoke during work.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a well-ventilated place. Store in a dry place. Store at room temperature. Keep away from: Strong acids. Strong alkali.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limit values. The general exposure limit values for inorganic dust below should be considered.

Exposure limit values

Component name	Identification	Value	Year
Total inhalable dust		8 h.: 10 mg/m ³	2010
Respirable dust		8 h.: 5 mg/m ³	2010

8.2. Exposure controls

Provide adequate ventilation. Eye wash facilities should be available when

handling this product. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory protection

Normally not required. Use mask with filter P2 in case of dust formation.

Hand protection

Normally not required. For prolonged or repeated skin contact use suitable protective gloves. PVC gloves are recommended.

Eye / face protection

Normally not necessary. Wear dust resistant safety goggles where there is danger of eye contact.

Skin protection

Ordinary workwear.

Appropriate environmental exposure control

Do not allow to enter into sewer, water system or soil.

Other Information

The listed protective equipment is a recommendation. A risk assessment of the actual risk may lead to other requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Powder.
Colour	Off-white
Odour	Odourless.
Odour limit	Not determined.
pH (aqueous solution)	Not determined.
Melting point / melting range	Sodium hydrogen carbonate decomposes at temperatures above 50 °C. Iron(II)sulphate heptahydrate releases the water of crystallisation at temperatures above 60 °C.
Boiling point / boiling range	Sodium hydrogen carbonate decomposes at temperatures above 50 °C. Iron(II)sulphate heptahydrate releases the water of crystallisation at temperatures above 60 °C.
Flash point	Not applicable.
Evaporation rate	Not determined.
Flammability (solid, gas)	Not applicable.
Explosion limit	Not determined.
Vapour pressure	Not determined.
Specific gravity	~ 2 g/cm ³ (estimated)
Solubility description	Miscible with water.
Partition coefficient: n-octanol / water	Not relevant for a mixture.
Spontaneous combustability	Not determined.
Decomposition temperature	Not determined.
Viscosity	Not determined.

Physical hazards

Explosive properties No explosive properties.

Oxidising properties Not oxidising.

9.2. Other information

Other physical and chemical properties

No further information is available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at the given use and storing conditions.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Avoid temperatures exceeding 50 °C.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

None under normal conditions. See also section 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Iron(II)sulphate heptahydrate:
LD50 (oral, rat) = 1588 mg/kg

Sodium hydrogen carbonate:
LD50 (oral, rat) = 4220 mg/kg
Source: Prevent data base "Kemiska ämnen"

Other information regarding health hazards

The product does not meet the criteria for classification as hazardous or irritant.

Potential acute effects

Inhalation

Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. In high concentrations: may cause pain/ burning sensation and nosebleed.

Skin contact

Prolonged contact may cause dryness of the skin.

Eye contact

May cause temporary eye irritation. Dust may irritate the eyes.

Ingestion

Low acute toxicity. Swallowing of larger amounts may cause abdominal pain, nausea, vomiting and diarrhea. Very high doses can lead to heart palpitations.

Delayed effects / repeated exposure

Sensitisation

Skin sensitisation: Not Sensitising.
Respiratory sensitisation: Not Sensitising.

Chronic effects

Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity

Based on available data, the classification criteria are not met.

Mutagenicity

Based on available data, the classification criteria are not met.

Teratogenic properties

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Ecotoxicity

Iron(II)sulphate heptahydrate:
LC50 (fish, 96h) = 51,2 mg/l [Lepomis macrochirus]
Source: internal reference

Sodium hydrogen carbonate:
LC50 (fish, 96h) = 7550 mg/l [Gambusia affinis]
EC50 (daphnia, 48h) = 2350 mg/l [D magna]
EC50 (algae, 120h) = 650 mg/l [Nitscheria linearis]
Source: Prevent data base "Kemiska ämnen"

The product is not classified as dangerous for the environment.

12.2. Persistence and degradability

The product consists mainly of inorganic materials which are not biodegradable.

Sodium hydrogen carbonate dissociates in water to sodium and hydrogencarbonate ions.

Iron(II)sulphate heptahydrate is readily soluble in water and converts rapidly in oxygen-rich water to iron(III)ions, that are precipitated as iron(III)hydroxide, for which sedimentation takes place.

12.3. Bioaccumulative potential

Inconclusive data. The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

The product is water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment has not been performed.

12.6. Other adverse effects

Do not allow to enter into sewer, water system or soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Confirm disposal procedures with local regulations. The waste code (EWC) is intended as a guide. The user must select a code if the use differs from the one mentioned above. Empty and cleaned packages may be disposed of or recycled as household waste.

The product is not classified as hazardous waste.

EWC waste code

06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

SECTION 14: Transport information

14.1. UN number

Not dangerous goods.

14.2. UN proper shipping name

Not relevant.

14.3. Transport hazard class(es)

Not relevant.

14.4. Packing group

Not relevant.

14.5. Environmental hazards

Not relevant.

14.6. Special precautions for user

Not relevant.

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

Not relevant.

SECTION 15: Regulatory information

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

CHIP Regulations. The Chemicals (Hazard Information and Packaging for Supply) Regulation.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex II: Safety data sheets.

Occupational Exposure Limits. EH40/2010.

The Hazardous Waste (England and Wales) Regulations 2005 with amendments.

Dangerous Goods regulations

15.2. Chemical safety assessment

Chemical safety assessment has not been carried out /is not required

SECTION 16: Other information

List of relevant R phrases (under headings 2 and 3).

R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.

List of relevant H-phrases (Section 2 and 3).

H302 Harmful if swallowed.
H315 Causes Skin irritation.
H319 Causes Serious eye irritation.

Abbreviations and acronyms

EC50: Median Effective Concentration, required to induce a 50% effect
LC50: Concentration in water having 50% chance of causing death to aquatic life
LD50: Lethal dose, is the amount of a substance given to a group of test animals, which causes the death of 50%.
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Information which has been revised

Layout changed.

Responsible for safety data sheet

Odén AB

