

Material Safety Data Sheet

According to regulation (EG) No. 1907/2006

Version 1

from 7th of October 2015

Dead Sea Bathing Salt

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Dead Sea Bathing Salt

MANUFACTURER: Prof. Dr. Biener GmbH
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PRODUCT USE: Preparation of constitutional baths

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS: Magnesium Chloride, Sodium Chloride, Calcium Chloride, Potassium Chloride, Trace Elements

SUBSTANCES >1% BY WEIGHT WHICH PRESENT A HEALTH OR ENVIRONMENTAL HAZARD WITHIN THE MEANING OF DIRECTIVE 67/548/EEC:

Calcium Chloride range between 1% and 10%

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

LABLE ELEMENTS:

The product does not need to be labelled in accordance with EC directives or respective national laws.

OTHER HAZARDS:

None

SECTION 4: FIRST AID MEASURES

EYES:

Flush eyes with water as a precaution.

SKIN:

Wash off with soap and plenty of water.

INGESTION:

Never give anything by mouth to an unconscious person. Rinse mouth with water.

INHALATION:

Move person into fresh air. If not breathing, give artificial respiration.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

Symptomatic treatment

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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SPECIAL FIRE FIGHTING PROCEDURES:

Wear self contained breathing apparatus for fire fighting if necessary.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hydrogen chloride gas, Sodium oxides

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Avoid dust formation. Avoid breathing vapours, mist or gas.

ENVIRONMENTAL PRECAUTIONS:

Do not let big amounts of product enter drains.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Provide appropriate exhaust ventilation at places where dust is formed.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

SPECIFIC END USE(S)

Apart from the uses mentioned in section 1 no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

none

EXPOSURE CONTROLS:

APPROPRIATE ENGINEERING CONTROLS:

General industrial hygiene practice.

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION:

Generally not needed. For longer exposure use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

SKIN PROTECTION:

Generally not needed. For longer exposure handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

BODY PROTECTION:

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

RESPIRATORY PROTECTION:

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

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FORM:

Solid

COLOUR:

White to grey

ODOUR:

characteristic

ODOUR THRESHOLD:

no data available

pH:

7-10

MELTING POINT/FREEZING POINT:

no data available

FLASH POINT:

no data available

EVAPOURATION RATE:

no data available

WATER SOLUBILITY:

soluble

OTHER SAFETY INFORMATION:

no data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:

Avoid reactions with strong acids, strong oxidizing agents and metals (corrosion)

CHEMICAL STABILITY:

Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

no data available

INCOMPATIBLE MATERIALS:

Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS:

with strong acids: Hydrochloric acid

with strong oxidizing agents: Chlor gas

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

LD50 Oral - rat - 1000 mg/kg (for calcium chloride)

LD50 Dermal - rat - 2630 mg/kg (for calcium chloride)

SKIN CORROSION/IRRITATION:

Slightly skinirritation possible

SERIOUS EYE DAMAGE/EYE IRRITATION:

no data available

RESPIRATORY OR SKIN SENSITISATION:

no data available

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GERM CELL MUTAGENICITY:

no data available

CARCINOGENICITY:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

REPRODUCTIVE TOXICITY:

no data available

ASPIRATION HAZARD:

no data available

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY:

TOXICITY TO FISH:

LC50/96h 1000 mg/l (for calcium chloride)

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES:

EC50/48h 144 mg/l (daphnia magna for calcium chloride)

EC50/96h 3130 mg/l (alga for calcium chloride)

PERSISTENCE AND DEGRADABILITY:

no data available

BIOACCUMULATIVE POTENTIAL:

no data available

MOBILITY IN SOIL :

no data available

RESULTS OF PBT AND VPVB ASSESSMENT:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

OTHER ADVERSE EFFECTS:

no data available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Plastic bag can be put into household waste

SECTION 14: TRANSPORT INFORMATION

UN NUMBER

ADR/RID: -

IMDG: -

IATA: -

UN PROPER SHIPPING NAME

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

TRANSPORT HAZARD CLASS(ES)

ADR/RID: -

IMDG: -

IATA: -

PACKAGING GROUP

ADR/RID: -

IMDG: -

IATA: -

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ENVIRONMENTAL HAZARDS

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

SPECIAL PRECAUTIONS FOR USER

no data available

SECTION 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

no data available

CHEMICAL SAFETY ASSESSMENT:

For this product a chemical safety assessment was not carried out

SECTION 16: OTHER INFORMATION

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Prof. Dr. Biener GmbH shall not be held liable for any damage resulting from handling or from contact with the above product.