

# Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH) and the amendment Regulation (EC) No. 2015/830

EU\_EN

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product name** WorkBeads™ Dsalt  
**Article number** 40 360 003, 40 360 010, 40 360 050, 40 360 060  
**Product description** Dextran-based resin for chromatography.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
For research and process chromatography.

### 1.3 Manufacturer/Supplier of Safety Data Sheet

Bio-Works Sweden AB  
Virdings allé 18  
SE-754 50 Uppsala, Sweden  
Phone: +46 8 5626 7430  
E-Mail: [info@bio-works.com](mailto:info@bio-works.com)

**1.4 Emergency telephone number**  
+46 8 5626 7430 (Bio-Works Sweden AB)

**National advisory body/Poison centre**  
Please contact the local Poison centre in your country.

## SECTION 2: HAZARDS IDENTIFICATION

**Hazardous components**  
ProClin™ 150

**Prevention**  
Wear protective gloves, eye or face protection.

### 2.1 Classification of the substance or mixture

**Product definition**  
Mixture

## Classification according to Regulation(EC) No. 1272/2008 [CLP/GHS]

Skin Sens. 1 H317

For the full text of the H-Statements mentioned in this Section, see Section 16.

### Ingredients of unknown toxicity

None, based on available information.

### Ingredients of unknown ecotoxicity

None, based on available information.

## 2.2 Label elements

Classification according to Regulation (EC) No 1272/2008 [CLP]

### Hazard pictogram



### Signal word

Warning

### Hazard statements

H317 May cause an allergic skin reaction.

### Precautionary statements

#### General

N/A

#### Prevention

P261 Avoid breathing dust, fume, mist and spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P302 + P352 IF ON SKIN: Wash with plenty of water.

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

P362 + P364 Take off contaminated clothing. And wash it before reuse.

#### Storage

N/A

#### Disposal

N/A

### Hazardous ingredients

Contains 0.15% ProClin as preservative.

### Supplemental label elements

Contains Proclin™ 150 as preservative

## 2.3 Other hazards

None known

## SECTION 3: COMPOSITION/INFO ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Liquid suspension of cross-linked dextran beads with ProClin as preservative.

Product/Ingredient name	Identifiers	Content (%)	Classification according to Regulation (EC) No 1272/2008 (CLP) <sup>a)</sup>	
			Hazard class and Category codes	Hazard statements
ProClin 150: Mixture of 5-Chlor-2-methyl-2H-isothiazol-3-on [EC No.: 247-500-7] and 2-Methyl-2H-isothiazol-3-on [EC No.: 220-239-6] (3:1)	CAS: 55965-84-9 INDEX: 613-167-00-5	0.0015-0.06	Acute Tox 3 (inhal.), Acute Tox 3 (oral), Acute Tox 3 (dermal), Skin Corr. 1B (c ≥ 0,6 %), Skin Sens. 1 (c ≥ 0,0015%), Skin Irrit. 2 (0,06% ≤ c < 0,6%), Eye Irrit. 2 (0,06% ≤ c < 0,6%), Aquatic Acute 1, Aquatic Chronic 1	H301 H311 H331 H314 H317 H315, H319 H400 H410
Magnesium nitrate	CAS No. 10377-60-3 EC No.233-826-7	0.03-0.04	Ox. Sol. 3, Skin Irrit. 2	H272 H319

a) See List of abbreviations in section 16.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General notes

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### Inhalation

Not expected to be a significant hazard under anticipated conditions of normal use.

#### Skin contact

Remove/Take off immediately all contaminated clothing and shoes. Rinse skin with water/shower. Consult doctor in case of complaints.

#### Eye contact

Remove contact lenses, if present and easily done. Rinse eyes with plenty of water for at least 10 minutes. Consult doctor if irritation occurs.

#### Ingestion

Not expected to be a significant hazard under anticipated conditions of normal use. Rinse mouth with water and drink a glass of water. Do not give anything to drink or eat if the person is unconscious. Do not induce vomiting. Consult doctor for advice.

#### **Self-protection of first aider**

Wear personal protection equipment (PPE).

#### **Notes to physician**

Treat symptomatically. Contact poison treatment specialist if large quantities have been ingested or inhaled.

#### **4.2 Most important symptoms and effects, both acute and delayed**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

No information available

### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

Use water, alcohol-resistant foam, dry powder/dry chemical or carbon dioxide (CO<sub>2</sub>)

##### **Unsuitable extinguishing media**

No information available.

#### **5.2 Special hazards arising from the substance or mixture**

No information available

#### **5.3 Advice for firefighters**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Wear self-contained breathing apparatus.

#### **5.4 Addition information**

No information available

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

##### **For non-emergency personnel**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment according to Section 8.

##### **For emergency responders**

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

#### **6.2 Environmental precautions**

Avoid discharge into soil, waterways, drains and sewers.

### 6.3 Methods and material for containment and cleaning up

#### Small spill

Stop leak. Pick up dust free. Dispose of via a licensed waste disposal contractor.

#### Large spill

Stop leak if without risk. Move containers from spill area. Cover drains. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of product and contaminated absorbent material according to local, regional, national or international regulations.

### 6.4 Reference to other sections

See SECTION 1 for emergency contact information

See SECTION 8 for personal protection information

See SECTION 13 for waste treatment information

## SECTION 7: HANDLING AND STORAGE

Store and handling at 2 to 25°C. Small amounts can be flushed down a sink with a large quantity of water unless local rules prohibit this. The product is stable.

### 7.1 Precautions for safe handling

#### Protective measures

Always wear recommended protective equipment, see SECTION 8. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or aerosols. Use adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers may retain product residue and can be hazardous. Do not reuse container

#### Advice on general occupational hygiene

Eating, drinking and smoking must be prohibited in areas where this material is handled, stored and processed. Users should wash hands before eating, drinking and smoking. Remove protective equipment and clothing, and contaminated clothing, before entering eating areas. See Section 8 for additional information.

### 7.2 Conditions for safe storage, including any incompatibilities

Store at 2 to 25°C (36 to 77°F), cold if possible. Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct in a well-ventilated area. Do not store with incompatible materials (see Section 10) or food and drinks. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end use(s)

#### Research sector

Recommended for laboratory use. Research and development.

#### Industrial sector

Process chromatography, bioproduction.

## SECTION 8: LIMIT EXPOSURE

Use gloves and eye protection. Use in ventilated environment.

### 8.1 Control parameters

No components with workplace control parameters.

### 8.2 Exposure controls

#### Appropriate engineering controls

##### Individual protection measures

The personal protective equipment selected must comply with the EC Council Directive 89/686/EEC.

##### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before break and immediately after handling the product. Remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location and regularly tested.

##### Eye/face protection

Use safety glasses, and/or face shield.

##### Hand protection

Use chemically resistant protective gloves that comply with the standard EN374; e.g., gloves based on butyl rubber or neoprene, 0.7 mm thickness or more, with breakthrough time of 2 hours or more.

##### Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

##### Respiratory protection

Select a respirator based on the hazard and potential for exposure, which meets the appropriate standard or certification. Ensure proper fitting, training, and other important aspects of use. Recommended filter type: Filter A according to DIN 3181. Maintenance, cleaning and testing must be done according to the manufacturer, and properly documented.

##### Environmental exposure controls

Do not let product enter drain. Emissions from equipment or ventilation should be checked to ensure they comply with the requirements of the environmental protection legislation.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Dextran-beads in 20% ethanol (slurry) packed in plastic containers. White to off-white color.

### 9.1 Information on basic physical and chemical properties

Physical state	Suspension
Color	White to off-white
Odour	None
Odour threshold	No information available
pH	pH 7.4
Melting point/freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	Product does not sustain combustion
Evaporation rate	No information available
Flammability (solid, gas)	Not considered flammable

<b>Upper/lower flammability or explosive limits</b>	No information available
<b>Vapour pressure</b>	No information available
<b>Vapour density</b>	No information available
<b>Relative density</b>	No information available
<b>Solubility(ies)</b>	No information available
<b>Partition coefficient: n-octanol/water</b>	No information available
<b>Auto-ignition temperature</b>	Not considered to be a product presenting a risk of explosion.
<b>Decomposition temperature</b>	No information available
<b>Viscosity</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidising properties</b>	No information available

## 9.2 Other information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known under normal use or storage.

### 10.4 Conditions to avoid

Extreme temperatures and direct sunlight.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No known hazardous decompositions products produced under normal use or storage.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 1.1 Information on toxicological effects

#### Acute toxicity

LC50/EC50: ProClin 150 (Mixture of 5-Chlor-2-methyl-2H-isothiazol-3-on [EC No.: 247-500-7] and 2-Methyl-2H-isothiazol-3-on [EC No.: 220-239-6] (3:1))  
Oral, rat 53 mg/kg

#### Irritation

No information available.

#### Corrosivity

No information available.

#### Sensitisation

No information available.

#### Repeated dose toxicity

No information available.

#### Carcinogenicity

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

**Mutagenicity**

No information available.

**Toxicity for reproduction**

No information available.

**SECTION 12: ECOLOGICAL INFORMATION**

No information available. We are not aware of any other hazards for the product.

**12.1 Toxicity**

No information available.

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Other adverse effects**

Discharge into the environment must be avoided.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Disposal of product should be handled in accordance with regional requirements. Dispose via approved waste disposal contractor.

**13.1 Waste treatment methods****Product****Hazardous waste**

This product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

**Waste treatment methods**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of local, regional, national or international environmental protection and waste disposal legislation. Dispose of mentioned materials must be done via approved waste disposal contractor. Waste must not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. The emptied container may contain residues of the product and must be disposed of accordingly.

**European waste catalogue (EWC)**

According to Decision 2014/955/EU list of waste pursuant to Directive 2008/98/EC.

**Waste code** 07 07 99

**Waste designation** Wastes not otherwise specified

**Packaging****Waste treatment methods**

Generation of waste should be avoided or minimised wherever possible. Packaging waste should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

## **SECTION 14: TRANSPORTATION INFORMATION**

### **14.1 UN number**

IATA: Not classified.  
ADR/RID: Not classified.  
IMDG: Not classified.

### **14.2 UN proper shipping name**

IATA: Not dangerous goods  
ADR/RID: Not dangerous goods  
IMDG: Not dangerous goods

### **14.3 Transport hazard class(es)**

Not available

### **14.4 Packing group**

Not available

### **14.5 Environmental hazards**

None

### **14.6 Special precautions for user**

Transport in closed container, upright and secure. The person transporting the product must know what to do in the event of an accident or spillage.

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

Not applicable

## **SECTION 15: REGULATORY INFORMATION**

### **Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.**

None of the components listed.

### **Regulation (EC) No 850/2004 of the European Parliament on persistent organic pollutants and amending Directive 79/117/EEC.**

None of the components listed.

### **Regulation (EC) No 649/2012 concerning the export and import of dangerous chemicals.**

None of the components are listed.

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

#### **Regulation (EC) No 19707/2006 (REACH)**

#### **Annex XIV – List of substances subject to authorisation**

None of the components are listed.

#### **Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

None of the components listed.

## Other regulations

**Directive 2008/105/EC – Environmental quality standards in the field of water policy**

**Annex I – Environmental quality standards (EQS)**

No information

**German water hazard classes (Wassergefährdungsklassen) (VwVwS)**

**Annex 2 – Substances hazardous to water**

No information.

**DIRECTIVE 2012/18/EU (Seveso III)**

No information.

## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: OTHER INFORMATION

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification		Justification
Mixture	Substance	
Skin Sens. 1	ProClin 150: Mixture of 5-Chlor-2-methyl-2H-isothiazol-3-on [EC No.: 247-500-7] and 2-Methyl-2H-isothiazol-3-on [EC No.: 220-239-6] (3:1)	Conc. 0.0015-0.06 % below the limits for all hazard classes except Skin Sens. 1.
No classification	Magnesium nitrate: Ox. Sol. 3 Skin Irrit. 2	Conc. 0.03-0.04 % below the limit for the substance.

## H-Statements

H272 May intensify fire; oxidizer  
H301 Toxic if swallowed.  
H311 Toxic in contact with skin  
H314 Causes severe skin burns and eye damage  
H317 May cause an allergic skin reaction.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

## P-statements

P261 Avoid breathing dust, fume, mist and spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing. And wash it before reuse.

## Abbreviations

CAS Chemical Abstracts Service  
CLP Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
EQS Environmental Quality Standard  
EC50 Half maximal effective concentration  
LC50 Lethal concentration required to kill 50% of the population  
PBT Persistent, Bioaccumulative and Toxic  
vPvB very Persistent, very Bioaccumulative and/or Toxic

**Revision**

<b>Version</b>	<b>Changes</b>	<b>Date</b>
1.0	First version	Jun. 24, 2020
2.0	Updated contact information	May 26, 2021