

**SAFETY DATA SHEET****SpecKare® SOD****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****1.1 Product identifier:****Product Name:** SpecKare® SOD**1.2 Use of the substance/preparation:** Raw material for Cosmetic**1.3 Details of the supplier of the safety data sheet****Manufactured By:** Spec-Chem Industry Inc.  
No.10 Wanshou Road (ShiLin Industrial Park)  
Nanjing 211800, P.R. of China**Phone Number:** 86-25-84523390, 84523391**Fax Number:** 86-25-84520790, 84520791**Email:** [sc@specchemind.com](mailto:sc@specchemind.com)**1.4 Emergency telephone:** +49 1704724533**2. HAZARDOUS IDENTIFICATION****According to Regulation (EC) No 1272/2008:****2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.2 GHS label elements, including precautionary statements**

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

**2.3 Other hazards which do not result in classification**

No data available

**3. COMPOSITION/INFORMATION ON INGREDIENT****3.1 Mixture**

Substance Name	INCI Name	CAS No.	EC No.	Index number in CLP Annex VI	Weight, %
Superoxide Dismutase	Superoxide Dismutase	9054-89-1	232-943-0	--	85-95
Maltodextrin	Maltodextrin	9050-36-6	232-940-4	--	5-15

**4. FIRST AID MEASURES****4.1 Description of first aid measures**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

**In case of skin contact**

Wash off with soap and plenty of water. Take off contaminated clothing and wash it before reuse.

**In case of eye contact**

Flush eyes gently with water for at least 15 minutes while holding eyelids apart: seek immediate medical attention.

**If swallowed**

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

**4.2 Most important symptoms and effects**

no data available

**4.3 Indication of any immediate medical attention**

no data available

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**5. FIRE FIGHTING MEASURES****5.1 Extinguishing Media:**

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: high volume water jet.

**5.2 Special Hazards arising from the substance or mixture**

no data available

**5.3 Advice for Fire Fighters**

Wear protective clothing to prevent contact with skin and eyes.

Wear self-contained breathing apparatus.

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**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions**

Avoid contact with skin and eyes.

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

Rinse mouth.

**6.2 Environmental precautions**

Do not empty into drains/surface water/ground water.

**6.3 Methods and materials for containment and cleaning up**

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. Dispose of contents/container to local regulations.

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**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

Do not handle or use product until safety precautions recommended in the SDS have been read and fully understood. Avoid open flames. Wash thoroughly after handling.

## 7.2 Conditions for safe storage, including any incompatibilities

Store at room temperature. Keep container tightly closed in a dry and well-ventilated place.

## 7.3 Specific end uses

no data available

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## 8. EXPOSURE CONTROL PERSONAL PROTECTION

### 8.1 Control Parameters: No Data Available

### 8.2 Personal protective equipment

#### Respiratory protection

Respirator with organic vapor cartridge. Not applicable with adequate ventilation.

#### Hand protection

Protective gloves made of plastic or rubber.

#### Eye protection

Safety glasses with side shields

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Specific engineering controls

Use mechanical exhaust or laboratory fume hood to avoid exposure.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	Powder
Colour	Light yellow
Odour	Free of offensive odors
Melting point/ freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	Not applicable
Solubility	No data available
Partition coefficient n-octanol/water	No data available
Vapour pressure	No data available
Density and/or relative density	No data available
Relative vapour density	Not applicable

Particle characteristics

98% pass 80mesh

## 9.2 Other Information

No additional information available

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No unusual reactivity

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatibilities material

No data available.

### 10.6 Hazardous decomposition products

No data available.

**Other decomposition products**-no data available

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 information on toxicological information

#### Acute toxicity

Oral: No data available.

Inhalation: No data available.

Dermal: No data available.

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/eye irritation

No data available.

#### Respiratory or skin sensitization

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No data available

#### Reproductive toxicity

No data available.

#### Specific target organ toxicity - single exposure (Globally Harmonized System)

No data available.

#### Specific target organ toxicity - repeated exposure (Globally Harmonized System)

No data available.

#### Aspiration hazard

No data available

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Acute toxicity:

Short-term toxicity: No data available.

Long-term toxicity: No data available.

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 PBT and vPvB assessment

Not a PBT or vPvB substance.

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATION

### 13.1 Waste treatment method

#### Product

Dispose in accordance with local/ regional/national/international regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### Contaminated packaging

Dispose in accordance with local/ regional/national/international regulations. Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

## 14. TRANSPROT INFORMATION

### 14.1 UN number:

ADR/RID: -                      IMDG: -                      IATA: -

### 14.2 UN proper shipping name

ADR/RID:                      Not dangerous goods

IMDG:                      Not dangerous goods

IATA:                      Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -                      IMDG: -                      IATA: -

### 14.4 Packaging group

ADR/RID: -                      IMDG: -                      IATA: -

## 14.5 Environmental hazards

ADR/RID: no      IMDG Marine pollutant: no      IATA: no

## 14.6 Special precautions for user

no data available

## 15. REGULATORY INFORMATION

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

#### EU Regulations:

Authorisations and/or restrictions on use:

Authorisations: Not regulated

Restrictions on use: Not regulated

Other EU regulations:

Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline): Not regulated

#### National regulations:

Listing	Superoxide Dismutase	Maltodextrin
United States Toxic Substances Control Act (TSCA) Inventory	Not Listed	Listed
New Zealand Inventory of Chemicals (NZIoC)	Listed	Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Not Listed	Listed
Australian Inventory of Industrial Chemicals (AIIC)	Not Listed	Listed
Canada Domestic Substances List (DSL)	Listed	Listed
Canada Non-Domestic Substances List (NDSL)	Not Listed	Not Listed
Vietnam National Chemical Inventory (NCI)	Listed	Listed
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)	Listed	Listed
China Catalog of Hazardous chemicals 2015	Not Listed	Not Listed
Korea Existing Chemicals List (KECL)	Listed	Listed

### 15.2 Chemical Safety Assessment

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

## 16. OTHER INFORMATION

#### Version information:

Version 2: Updated in accordance with Regulation (EC) No.1907/2006, (EC) No.1272/2008 and (EC) No. 2015/830. Composition changed.

#### Abbreviations and acronyms:

PBT, persistent, bioaccumulative, and toxic

vPvB, very persistent, very bioaccumulative

ADR: European Agreement concerning the International Carriage of Dangerous Goods by

Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods

IATA: International Air Transportation Association

**Disclaimer**

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. SPEC-CHEM IND shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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End of SDS