

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Bisdisulizole Disodium

Version 2

Revision Date 14.12.2009

Print Date 16.11.2010

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Information

Trade name : Bisdisulizole Disodium

Use of the Substance/Preparation : Cosmetic ingredient

Company : Chanjao Longevity Co., Ltd.
50Ramindra14,
Bangkok
10230THAILAND

Telephone : 66 02 002 7 002

Telefax

E-mail address : care@myskinrecipes.com

Emergency telephone number of the company and/or of an authorised advisory centre: +66 02 002 7 002

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization : 2,2'-(1,4-Phenylene)bis[1H-benzimidazole-4,6-disulfonic acid], disodium salt

Molecular Weight : 674,59 g/mol

Total formula : C20-H12-N4-Na2-O12-S4

CAS-No. : 180898-37-7

EINECS-No. / ELINCS No. : 429-750-0

4. FIRST AID MEASURES

General advice : Never give anything by mouth to an unconscious person. No hazards which require special first aid measures.

Inhalation : Move to fresh air.

Skin contact : Wash with water and soap as a precaution.

Eye contact : Flush eyes with water as a precaution.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Bisdisulizole Disodium

Version 2

Revision Date 14.12.2009

Print Date 16.11.2010

Ingestion : If a person vomits when lying on his back, place him in the recovery position.
Never give anything by mouth to an unconscious person.
Drink water as a precaution.

5. FIRE-FIGHTING MEASURES

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

Extinguishing media which shall not be used for safety reasons : High volume water jet

Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Further information : In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Ensure adequate ventilation.

Environmental precautions : No special environmental precautions required.

Methods for cleaning up : Use mechanical handling equipment.
Dam up.
Pick up and transfer to properly labelled containers.

Additional advice : Use mechanical handling equipment.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : For personal protection see section 8.
No special precautions required.

Advice on protection against fire and explosion : When using do not smoke.

Storage

Requirements for storage areas and containers : Store in original container.
To maintain product quality, do not store in heat or direct sunlight.
Keep in a dry, cool place.

Advice on common storage : No special restrictions on storage with other products.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Bisdisulizole Disodium

Version 2

Revision Date 14.12.2009

Print Date 16.11.2010

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures

none

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : Wear chemicals-resistant gloves, e.g. safety gloves of chloroprene Level 2 or of butyl rubber Level 6.
- Eye protection : Safety glasses
- Skin and body protection : Skin should be washed after contact.
- Hygiene measures : Wash hands before breaks and immediately after handling the product. General industrial hygiene practice.
- Protective measures : When using, do not eat, drink or smoke. Avoid contact with skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : powder
- Colour : yellow to dark yellow
- Odour : characteristic

Safety data

- Melting point/range : > 360,0 °C
- Flash point : > 100 °C
- Vapour pressure : < 0,1 mbar at 20 °C
- Relative density : 1,815 at 20 °C (relation to density of water at 4°C)
- Bulk density : ca. 390 kg/m³
- Water solubility : 2 g/l
- Partition coefficient:
n-octanol/water : log Pow: 2,4

10. STABILITY AND REACTIVITY

- Hazardous reactions : No dangerous reaction known under conditions of normal use.

11. TOXICOLOGICAL INFORMATION

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Bisdisulizole Disodium

Version 2

Revision Date 14.12.2009

Print Date 16.11.2010

Acute oral toxicity	:	LD50 rat: > 2.000 mg/kg, OECD Test Guideline 401
Acute dermal toxicity	:	LD50 rat: > 2.000 mg/kg, OECD Test Guideline 402
Skin irritation	:	rabbit: No skin irritation
Eye irritation	:	rabbit: No eye irritation
Sensitisation	:	guinea pig: No sensitizing effect.
Mutagenicity	:	Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability : Not readily biodegradable.
0 % / 28 d
OECD screening test

Ecotoxicity effects

Acute Toxicity to fish : LC0: \geq 90 mg/l/96 h
Species: Zebrafish (Brachydanio rerio) OECD 203 / ISO 7346

Acute toxicity Aquatic invertebrates : EC0: 96,6 mg/l/48 h
Species: Daphnia magna , OECD 202 / ISO 6341

Toxicity to algae : EC50: > 10.000 mg/l
Species: Scenedesmus subspicatus, OECD 209 / ISO 8192

EC0: 88,2 mg/l
Species: scenedesmus subspica, OECD 201 / ISO 8692

Toxicity to bacteria : EC50: > 10.000 mg/l
Species: Bacteria, OECD 209 / ISO 8192

13. DISPOSAL CONSIDERATIONS

Product : Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives 1999/45/EC / 67/548/EEC

Further Information : Not a hazardous substance or preparation according to EC-directives

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Bisdisulizole Disodium

Version 2

Revision Date 14.12.2009

Print Date 16.11.2010

67/548/EEC or 1999/45/EC.

National legislation

Risk classification according to : not applicable

BetrSichV (Germany)

Water contaminating class : WGK 1 (slightly water endangering)
(Germany)

16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.