

SAFETY DATA SHEET

SECTION 1: ***Identification***

Product Name: 2-Phenylbenzimidazole-5-Sulfonic Acid

Company Details: Gree Industry co., LTD

SECTION 2: ***Hazards identification***

Classification of the substance or mixture

PHYSICAL HAZARDS: Not classified

HEALTH HAZARDS

Skin corrosion/irritation: Category 2

Serious eye damage/eye irritation: Category 2A

ENVIRONMENTAL HAZARDS: Not classified

Label elements

Pictograms or hazard symbols



Signal word: Warning

Hazard Statements: Causes skin irritation

Causes serious eye irritation

Precautionary statement(s)

Prevention: Wash hands and face thoroughly after handling.

Wear protective gloves, protective clothing, face protection.

Response

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention.

Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

IF exposed or concerned: Get medical advice or attention.

Disposal: Dispose of contents and container in accordance with local, regional, national regulations.

SECTION 3: **Composition/information on ingredients**

Component	2 - Phenylbenzimidazole- 5 - Sulfonic Acid
Formula	C ₁₃ H ₁₀ N ₂ O ₃ S
CAS No.	27503-81-7
EC-No.	248-502-0
Concentration	≤100%

SECTION 4: **FIRST AID MEASURES**

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

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing, summon

medical help

On skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of

soap and water.

On contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

On ingestion: Immediately rinse mouth, summon physician.

SECTION 5: **FIRE FIGHTING MEASURES**

Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide.

Special protective equipment: Wear self-contained breathing apparatus and protective suit.

Further information: Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should

evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

SECTION 6: **ACCIDENTAL RELEASE MEASURES**

Personal precautions: Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off,

etc.

Environmental precautions: Be careful not to let it flow into rivers, etc., since adverse effects on the environment are concerned.

Methods for cleaning up: Sweep dust to collect it into an airtight container, taking care not to disperse it.

Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

SECTION 7: **HANDLING AND STORAGE**

Handling:

Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated.

Advice on safe handling: Avoid contact with skin, eyes and clothing.

Storage: Keep tightly closed in a dry and cool place. Store away from incompatible materials such as oxidizing agents.

SECTION 8: **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Engineering controls: Install a closed system or local exhaust as possible so that workers should not be

exposed directly. Also install safety shower and eye bath.

Personal protective equipment

Respiratory protection: Dust respirator. Follow local and national regulations.

Hand protection: Protective gloves.

Eye protection: Safety glasses. A face-shield, if the situation requires.

Skin and body protection: Protective clothing. Protective boots, if the situation requires.

SECTION 9: **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: White Crystal - Powder

Smell: light

Purity: 98% min

Melting point/melting range: 410C

Flammability or explosive limits:

Lower: No data available

Upper: No data available

Relative density: No data available

Solubility(ies):

[Water] No data available

[Other solvents] No data available

SECTION 10: **STABILITY AND REACTIVITY**

Chemical stability: Stable under proper conditions.

Possibility of hazardous reactions: No special reactivity has been reported.

Incompatible materials: Oxidizing agents

Hazardous decomposition products: Carbon dioxide, Carbon monoxide, Nitrogen oxides (NO_x), Sulfur

oxides

SECTION 11: **TOXICOLOGICAL INFORMATION**

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Germ cell mutagenicity: No data available

Carcinogenicity

IARC: No data available

NTP: No data available

Reproductive toxicity: No data available

SECTION 12: **ECOLOGICAL INFORMATION**

Ecotoxicity:

Fish: No data available

Crustacea: No data available

Algae: No data available

Persistence / degradability: No data available

Bioaccumulative potential (BCF): No data available

Mobility in soil

Log Pow: No data available

Soil adsorption (K_{oc}): No data available

Henry's Law (PaM³/mol): No data available

SECTION 13: **DISPOSAL CONSIDERATIONS**

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or

mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner

and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

SECTION 14: **TRANSPORT INFORMATION**

Hazards Class: Does not correspond to the classification standard of the United Nations

UN-No: Not listed

SECTION 15: **REGULATORY INFORMATION**

Regulations on the Control over Safety of Dangerous Chemicals (State Council announces on January 26,

2002 and revised on February 16, 2011): Safe use and production, the storage of a dangerous chemical,

transport, loading and unloading were prescribed.

SECTION 16: **OTHER INFORMATION**

The information contained herein is based on the present state of our knowledge and does not therefore

guarantee certain properties.