

BotanicalsPlus

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1971)

Section 1 – Company & Product Identification

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Emergency Tel#: 973-439-1417
Issue Date: January 2016
REVISED 4-25-17

Product & Synonym: **BP- Gen - 90**
Chemical Name & Synonyms: Genistein
INCI Name: Genistein
Formula: Plant Extract
CAS Numbers: 446-72-0
EINECS Numbers: N/A

Section 2 – Composition

INCI Name: Genistein
CAS No. 446-72-0
EINECS No. 207-174-9

Section 3 – Hazards Identification

Classification Of The Substance or Mixture

Classification according Directive 67/548/EEC: Not classified
Hazardous Component(s): No hazardous materials present

Section 4 – First Aid Measures

Description Of First Aid Measures

Oral Exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation Exposure: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
Dermal Exposure: In case of contact, immediately wash skin with soap and copious amounts of water.
Eye Exposure: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Most important symptoms and effects, both acute and delayed: Not available
Indication of any immediate medical attention and special treatment needed: Not available

Section 5 – Fire Fighting Measures

Extinguishing Media:
Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.
Unsuitable: None
Fire Fighting Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Exposure Hazard(s) Material: No hazardous materials present

Section 6- Accidental Release Measures

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Procedure(s) Of Personal precaution(s) : Water respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods For Cleaning Up: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust or spray.
Ventilate area and wash spill site after material pick-up is complete.

Section 7 – Handling and Storage

Handling: User Exposure: Do not breathe dust or spray. Avoid contact with eyes, skin, and clothing.
Storage: Suitable: Keep tightly closed. Store in a cool dry place.

Section 8 – Exposure Controls

Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment

- Respiratory:

Government approved respirator.

- Hand:

Compatible chemical-resistant gloves.

- Eye:

Chemical safety goggles.

General Hygiene Measures:

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 – Physical and Chemical Properties

Appearance Yellowish brown powder

Odor Characteristic odor

Molecular weight N/A

pH(1%) N/A

BP/BP Range N/A

MP/MP Range N/A

Freezing Point N/A

Vapor Pressure N/A

Vapor Density N/A

Saturated Vapor Conc. N/A

Specific Gravity/Density N/A

Bulk Density N/A

Odor Threshold N/A

Volatile% N/A

VOC Content N/A

Water Content N/A

Solvent Content N/A

Evaporation Rate N/A

Viscosity N/A

Surface Tension N/A

Partition Coefficient N/A

Decomposition Temp. N/A

Flash Point N/A

Explosion limits N/A

Flammability N/A

Auto-ignition Temp. N/A

Refractive Index N/A

Optical Rotation N/A

Miscellaneous Data N/A

Solubility Insoluble to water

Section 10 – Stability and Reactivity

Stability: Stable

Materials To Avoid: Strong oxidizing agents. Heat

Hazardous Decomposition Products

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-Hazardous Decomposition: Will not occur
-Hazardous Polymerization: Will not occur

Section 11 – Toxicological Information

Route Of Exposure

Inhalation: Material may be irritating to mucous membranes and supper respiratory tract.
Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

Target Organ(s) Or System(s): Not available
Conditions Aggravated By Exposure: Not available

Section 12 – Ecological Information

No data available.

Section 13 – Advice on Disposal

Appropriate Method Of Disposal Of substance or Preparation

Dissolve or mix the material with a combustibile solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 – Transport Information

Shipping Description

UN Proper Shipping Name: Not regulated
Land Transport (ADR.RID): No dangerous substance in sense of this transport regulation.
Sea Transport (IMDG): No dangerous substance in sense of this transport regulation.
Air Transport (IATA): No dangerous substance in sense of this transport regulation

Section 15 – Regulatory Information

Labeling - (Hazards Symbols)

National Fire Protection Association:	Health = 0	Flammability = 1	Reactivity = 0	Special Hazard - None
Hazardous Material Information System (HMIS):	Health = 0	Flammability = 1	Reactivity = 0	Personal Protection = D

Section 16 – Other Information

Incomplete combustion may produce carbon monoxide and other toxic gases.

The information contained in this Material Safety Data Sheet is accurate to the best of our knowledge and is valid for the material as delivered. This information only describes safety measures and no liability arising out of the use, application or processing of the material described herein is accepted. It is the user's responsibility to determine safe conditions for the use of this product.