

Shaanxi Pure Source Bio-Tech Co.,Ltd.

陕西天地源生物科技有限公司 www.pure-source.cn

Tel: +86-29-68643156 Fax: +86-29-62893025



Material Safety Data Sheet

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Identification: Echinacea purpurea Extract

Manufacturer's Name: Shaanxi PureSource Bio-Tech Co., Ltd.

Manufacturer's Address: Room 2105, Tongda International Building 41#
Tangyan Road, Xi' an Hi-tech Industries Development Zone Xi an, 710065,
Shaanxi Province, China.

Manufacturer's Country: China

General Information Telephone: 0086-29-68643156

SECTION 2 - IDENTIFICATION

Common Name: Echinacea purpurea Extract

Chemical Name: n/f

Synonym: n/f

CAS Number: 476-66-4

Chemical Family: n/f

Therapeutic Category: Antitumous effect

SECTION 3 - INGREDIENT INFORMATION

Principle Components Percent:

Powdered Echinacea purpurea Extract 4% polyphenol

Exposure Limits n/f

SECTION 4 - HEALTH HAZARD INFORMATION

Adverse Effects: n/f

Overdose Effects: n/f

Acute: Possible eye, skin, gastrointestinal and/or respiratory tract irritation.

Chronic: Possible hypersensitization.

Inhalation: May cause irritation. Remove to fresh air.

Eye: May cause irritation. Flush with copious quantities of water.

Skin: May cause irritation. Flush with copious quantities of water

Medical Conditions

Aggravated by Exposure: Hypersensitivity to material, multiple sclerosis, human



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immunodeficiency virus, autoimmune diseases, tuberculosis, or diabetes.

Cross Sensitivity: n/f

Ingestion: May cause irritation. Flush out mouth with water.

SECTION 5 - FIRST AID MEASURES

General: Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention. If person is not breathing give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.

Overdose Treatment: Treatment of overdose should be symptomatic and supportive.

SECTION 6 - TOXICOLOGICAL INFORMATION

Oral Rat: LD50: >15 grams/kg (Echinacea purpurea expressed j

Oral Mouse: LD50: >30 grams/kg (Echinacea purpurea expressed j

NTP: No **IARC:** No **OSHA:** No

Target Organ(s): n/f

Listed as a Carcinogen?

Irritancy Data: n/f

Other: No

SECTION 7 - FIREFIGHTING MEASURES

Flash Point: n/f **Upper Flammable Limit:** n/f

Auto-Ignition Temperature: n/f **Lower Flammable Limit:** n/f

Extinguisher Media: Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.

Firefighting Procedures: As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing

Fire and Explosion Hazards: This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity.

Firefighting Procedures: As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

SECTION 8 - PHYSICAL HAZARDS

Stable? Yes

Conditions to Avoid: Avoid exposure to light.



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Incompatibilities: n/f

Decomposition Products: When heated to decomposition material emits toxic fumes. Emits toxic fumes under fire conditions.

Hazardous Polymerization? No

Stable? Yes **Hazardous Polymerization?** No

SECTION 9 - HANDLING / SPILL / DISPOSAL MEASURES

Handling: As a general rule, when handling USP Reference Standards avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling.

Storage: Store in tight, light-resistant container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

Spill Response: Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using a high efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately labelled container for disposal. Wash spill site.

Disposal: Dispose of waste in accordance with all applicable Federal, State and local laws.

SECTION 10 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: When working with small quantities in a well-ventilated area, respiratory protection may not be required. The use of an approved dust mask is recommended.

Ventilation: No special ventilation requirements.

Gloves: Rubber

Eye Protection: Safety Glasses

Protective Clothing: Protect exposed skin.

SECTION 11 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: yellow-green powder; characteristic odor.

Melting Point: n/f

Boiling Point: n/f

Specific Gravity: n/f

Vapor Pressure: n/f

Volatile by Volume: n/f

Solubility in Water: Partly soluble

Vapor Density: n/f

Evaporation Rate: n/f



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Reactivity in Water: n/f

SECTION 12 - ECOLOGICAL INFORMATION

No data

SECTION 13 - TOXICOLOGICAL INFORMATION

No data

SECTION 14 - TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101

DOT Description:

Container/Mode: NON-REGULATED BY D.O.T.

25KG/DRUM/ PACKAGE

NOS Component: None

RQ (Reportable Quantity) - 49 CFR 172.101

Not applicable

SECTION 15 - DISPOSAL CONSIDERATION

Waste Management Information

Dispose of with other normal, solid waste

SECTION 16- OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.
