



MATERIAL SAFETY DATA SHEET

Fenchem Enterprises Ltd.

Tel: 0086-25-84572922

Fax: 0086-25-84574987

E-mail: sales@fenchem.com

www.fenchem.com

Red clover PE 8% Isoflavones

****** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ******

MSDS Name: Red clover PE 8% Isoflavones

Company Identification: Fenchem Enterprises Ltd.,

No. 1911-1915, Fortune Buliding, No .359 Hongwu Rd,NJ,China.

PC: 210002.

For information, call: +86 25 84572922

Emergency Number: +86 25 84574708

For CHEMTREC assistance, call: +86 25 84572922

For International CHEMTREC assistance, call: +86 25 84574708

****** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ******

CAS#	Name	Chemical %
491-80-5	7-Hydroxy-4'-methoxyisoflavone	>5%
485-72-3	4'-Methylgenistein	>3%

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

****** SECTION 3 - HAZARDS IDENTIFICATION ******

EMERGENCY OVERVIEW

Appearance: Deep tan Fine Powder

Caution! The toxicological properties of this material have not been fully investigated. This substance has caused adverse reproductive and fetal effects in animals. May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

Target Organs: No data found.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:



MATERIAL SAFETY DATA SHEET

Fenchem Enterprises Ltd.

Tel: 0086-25-84572922

Fax: 0086-25-84574987

E-mail: sales@fenchem.com

www.fenchem.com

May cause skin irritation.

Ingestion:

May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

Inhalation:

May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic:

Prolonged or repeated exposure may cause adverse reproductive effects. May cause fetal effects.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion:

Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Get medical aid if cough or other symptoms appear.

Notes to Physician:

Treat symptomatically and

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition Temperature: Not available.

Flash Point: Not available.



MATERIAL SAFETY DATA SHEET

Fenchem Enterprises Ltd.

Tel: 0086-25-84572922

Fax: 0086-25-84574987

E-mail: sales@fenchem.com

www.fenchem.com

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

NFPA Rating: (estimated) Health: 1; Flammability: 0; Reactivity: 0

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
7-Hydroxy-4'-methoxyisoflavone	none listed	none listed	none listed
4'-Methylgenistein	none listed	none listed	none listed

OSHA Vacated PELs:

7-Hydroxy-4'-methoxyisoflavone, 4'-Methylgenistein

No OSHA Vacated PELs are listed for this chemical.



MATERIAL SAFETY DATA SHEET

Fenchem Enterprises Ltd.

Tel: 0086-25-84572922

Fax: 0086-25-84574987

E-mail: sales@fenchem.com

www.fenchem.com

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

A respiratory protection program that meets OSHA's 29 CFR :1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Appearance:	Deep tan fine powder
Odor:	Characteristic
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Evaporation Rate:	Negligible.
Viscosity:	Not available.
Boiling Point:	Not available.
Freezing/Melting Point:	Not available.
Decomposition Temperature:	Not available.
Solubility in water:	Not soluble
Specific Gravity/Density:	Not available.

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

High temperatures, incompatible materials, dust generation.

Incompatibilities with Other Materials:

Oxidizing agents.

Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Has not been reported.



MATERIAL SAFETY DATA SHEET

Fenchem Enterprises Ltd.

Tel: 0086-25-84572922

Fax: 0086-25-84574987

E-mail: sales@fenchem.com

www.fenchem.com

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

CAS# 491-80-5, 485-72-3

LD50/LC50:

Not available.

Carcinogenicity:

7-Hydroxy-4'-methoxyisoflavone, 4'-Methylgenistein

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology:

No information available.

Teratogenicity:

No information available.

Reproductive Effects:

No information available.

Neurotoxicity:

No information available.

Mutagenicity:

No information available.

Other Studies:

See actual entry in RTECS for complete information.

**** SECTION 12 - ECOLOGICAL INFORMATION****

Ecotoxicity: Not available

BOD5 and COD: Not available

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the products of Biodegradation:

The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.



MATERIAL SAFETY DATA SHEET

Fenchem Enterprises Ltd.

Tel: 0086-25-84572922

Fax: 0086-25-84574987

E-mail: sales@fenchem.com

www.fenchem.com

RCRA U-Series: None listed.

**** SECTION 14 - TRANSPORT INFORMATION ****

US DOT

No information available

Canadian TDG

No information available.

**** SECTION 15 - REGULATORY INFORMATION ****

US FEDERAL

TSCA

CAS# 491-80-5, 485-72-3 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.



MATERIAL SAFETY DATA SHEET

Fenchem Enterprises Ltd.

Tel: 0086-25-84572922

Fax: 0086-25-84574987

E-mail: sales@fenchem.com

www.fenchem.com

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

7-Hydroxy-4'-methoxyisoflavone, 4'-Methylgenistein are not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level:

None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 491-80-5, 485-72-3

United Kingdom Occupational Exposure Limits

Canada

CAS#491-80-5, 485-72-3 is listed on Canada's DSL List.

This product has a WHMIS classification of D2A.

CAS# 491-80-5, 485-72-3 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

****** SECTION 16 - ADDITIONAL INFORMATION ******

MSDS Creation Date: 02/16/2006 Revision #1 Date: 02/16/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.