



Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

COMMON NAME	Soy Isoflavones
CAS-No.	[574-12-9]
MOLECULAR WEIGHT	222.24
CHEMICAL FORMULA	C ₁₅ H ₁₀ O ₂
COMPANY	Smarterb
ADDRESS	

EMERGENCY CONTACT

SECTION 2. HAZARDS IDENTIFICATION

Classification of the product - (DOT Hazard Class: Not regulated)

GHS-US classification	n/a
HMIS classification	Irritant, sensitizer, moderate flammability
Hazard pictograms (GHS-US)	n/a

Hazard pictograms (HMIS / NFPA)



Hazard statement (HMIS)	HEALTH = 2 / FLAMMABILITY= 1 / P.
PROTECTION = E	
Other hazards	No data available
Unknown acute toxicity (GHS-US)	No data available

SECTION 3. FIRST AID MEASURES

Eye Contact	No known effect on eye contact, rinse with water for a few minutes.
Skin Contact	No known effect on skin contact, rinse with water for a few minutes.
Serious Skin Contact	Not available.
Inhalation	Allow the victim to rest in a well ventilated area.



Serious Inhalation	Seek immediate medical attention.
Ingestion	Not available.
	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Serious Ingestion	Not available.

SECTION 4. FIRE FIGHTING MEASURES

Flammability of the Product	May be combustible at high temperature.
Auto-Ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂).
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.	
Special Remarks on Fire Hazards	Material in powder form, capable of creating a dust explosion.
Special Remarks on Explosion Hazards	Not available.

SECTION 5. ACCIDENTAL RELEASE MEASURES

Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 6. HANDLING AND STORAGE

Precautions for safe handling

Ensure adequate ventilation. Wear appropriate protective equipment (PPE) as indicated on section 8. Remove all sources of ignition.

Handle in accordance with good industrial hygiene and safety procedures.

Hygiene measures

Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions of safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed. Store in a cool, dry and well ventilated area.

Incompatible products

Not determined

Incompatible materials

Not determined

Special rules on packaging

Not determined

SECTION 7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls

Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment



Hand protection protective gloves

Prevent prolonged skin contact by using

Eye protection

Prevent eye contact by using protective goggles

Skin and body protection

Prevent skin contact by using protective clothing

Respiratory protection inhalation

Respiratory protection is recommended to avoid

SECTION 8. PHYSICAL/CHEMICAL PROPERTIES



Physical state and appearance	Powder
Odor	Odorless
Taste	Not available.
Molecular Weight	222.24 g/mole
Color	Shallow yellow.
PH (1 % soln/water)	Not applicable.
Boiling Point	Not available.
Melting Point	148.0°C
Critical Temperature	Not available.
Specific Gravity	Not available.
Vapor Pressure	Not applicable.
Vapor Density	Not available.
Volatility	Not available.
Odor Threshold	Not available.
Water/Oil Dist. Coeff.	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	Not available.
Solubility	Insoluble in water.

SECTION 9. STABILITY AND REACTIVITY

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Not available.
Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.
Polymerization	No.

SECTION 10. TOXICOLOGICAL INFORMATION

Routes of Entry	Not available.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	No specific information is available in our database regarding the other toxic effects of this material for humans.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on other Toxic Effects on Humans	Not available.



SECTION 11. 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 more toxic.
Special Remarks on the Products of Biodegradation	Not available.

SECTION 12. DISPOSAL CONSIDERATIONS

Waste Disposal Method	Dispose in accordance with local, state and federal regulations.
------------------------------	--

SECTION 13. TRANSPORT INFORMATION

In accordance with ICA/IATA/DOT/TDG/IMO

UN number and name	Not classified as hazardous for transport.
UN-No. (DOT)	Not a DOT controlled material (United States).
	DOT (US) Not dangerous goods
UN proper shipping name	IATA Not dangerous goods
	IMDG Not dangerous goods
Transport Hazard classes BY ROAD	
DOT Hazard classes	n/a
DOT Hazard labels	n/a
DOT packing group	n/a
DOT special provisions (49 CFR 172.102)	n/a
DOT packaging exceptions (49 CFR 173.xxx)	n/a
DOT packaging non bulk (49 CFR 173.xxx)	n/a
DOT packaging bulk (49 CFR 173.xxx)	n/a
Transport Hazard classes BY AIR	
DOT/IATA Hazard classes	n/a
DOT/IATA Hazard labels	n/a
DOT/IATA packing group	n/a
DOT/IATA special provisions (49 CFR 172.102)	n/a



DOT/IATA packaging exceptions (49 CFR 173.xxx)	n/a
--	-----

DOT/IATA packaging non bulk (49 CFR 173.xxx)	n/a
--	-----

DOT/IATA packaging bulk (49 CFR 173.xxx)	n/a
--	-----

DOT/IATA quantity limitations passenger aircraft/rail (49 CFR 173.27)	n/a
---	-----

DOT/IATA quantity limitations cargo aircraft/rail (49 CFR 175.75)	n/a
---	-----

Transport Hazard classes BY RAIL

DO Hazard classes	n/a
-------------------	-----

DOT/ Hazard labels	n/a
--------------------	-----

DOT packing group	n/a
-------------------	-----

DOT/IATA special provisions (49 CFR 172.102)	n/a
--	-----

DOT packaging exceptions (49 CFR 173.xxx)	n/a
---	-----

DOT packaging non bulk (49 CFR 173.xxx)	n/a
---	-----

DOT packaging bulk (49 CFR 173.xxx)	n/a
-------------------------------------	-----

Transport Hazard classes BY SEA

DOT/IMO Hazard classes	n/a
------------------------	-----

DOT/IMO Hazard labels	n/a
-----------------------	-----

DOT/IMO packing group	n/a
-----------------------	-----

DOT/IMO special provisions (49 CFR 172.102)	n/a
---	-----

DOT/IMO packaging exceptions (49 CFR 173.xxx)	n/a
---	-----

DOT/IMO packaging non bulk (49 CFR 173.xxx)	n/a
---	-----

DOT/IMO packaging bulk (49 CFR 173.xxx)	n/a
---	-----

Environmental hazard	ADR/RID: no	IMDG Marine pollutant: no	IATA: no
----------------------	-------------	---------------------------	----------

Additional information

Special precautions

no data available

SECTION 14. REGULATORY INFORMATION

Federal and State Regulations

TSCA 8(b) inventory: Policosanol; Octacosanol

Other Regulations

Not available..



Other Classifications

WHMIS (Canada)

Not controlled under WHMIS (Canada).

DSCL (EEC)

This product is not classified according to the

EU regulations.

HMIS (U.S.A.)**Health Hazard**

0

Fire Hazard

1

Reactivity

0

Personal Protection

n/a

National Fire Protection Association (U.S.A.)**Health**

0

Flammability

1

Reactivity

0

Specific hazard**Protective Equipment**

Not applicable. Lab coat. Not applicable. Safety

glasses.

SECTION 15. OTHER INFORMATION

VERSION NUMBER: 2.0

LAST UPDATED: 2019-05-05

WARRANTY:

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, expressed 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.