



SAFETY DATA SHEET

Revision date: May 25, 2017

Section 1. Chemical Product and Company Identification:

Product Trade Name:	LARIXIFOL UN NUMBER: Not Relevant DANGEROUS GOODS CLASS: Not Relevant HAZCHEM CODE: Not Relevant POISONS SCHEDULE NUMBER: Not Relevant
Definition	LARIXIFOL is a nutrient/plant synergist/plant supplement. It is based on an organic larch wood extract, the bioflavonoid complex, which is harmless to humans and animals. Mixture, which is exclusively intended to maintain plant health.
STATEMENT OF HAZARDOUS NATURE	Not Hazardous
Supplier:	Agromarketing Co. Inc. 133 Mavety St. Toronto, ON M6P 2L8 Canada (Factory in Ryazan Oblast, Russia)
Telephone:	+1 416 628 5174
E-mail address:	info@agromarketing.ca

Section 2. Composition, Information on Ingredients:

Product name	CAS Number	Description	Limits /% by Weight
Bioflavonoid complex (FDA code: 54YCZ07)	480-18-2 9036-66-2	3,3',4',5,7-Pentahydroxyflavone Larch Arabinogalactan	≥ 12.00% ≥ 0.5%
Lecithin (Surfactant)	8002-43-5	Soya Lecithin Liquid, no GMO	≥ 6.00%
Propylene glycol	57-55-6	1,2,-propanediol	≥ 30.00%
Water			to 100%

Section 3. Hazards Identification:

Physical State and Appearance	Liquid (stable emulsion form)
Emergency Overview	CAUTION! SWALLOWED: MAY BE HARMFUL IF SWALLOWED. It may sterilize gut. EYE: May cause irritation to eyes. SKIN: Slightly hazardous in case of skin contact (sensitizer). INHALED: Non hazardous. Do not ingest. Wash thoroughly after handling.
Routes of Entry	Ingestion.
Potential Chronic Health Effects	CARCINOGENIC EFFECTS : Not available. Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.
Medical Conditions	Repeated or prolonged exposure is not known to aggravate medical condition.
Overexposure /Signs/Symptoms	Not available.

Section 4. First Aid Measures:

Eye Contact:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.
Skin Contact:	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation:	Non hazardous.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
ADVICE TO DOCTOR:	Treat symptomatically.

Section 5. Fire Fighting Measures:

Flammability of the Product:	May be combustible at high temperature
Auto-Ignition Temperature:	371°C (699.8°F)
Flash Points:	CLOSED CUP: 99°C (210.2°F). OPEN CUP: 107°C (224.6°F) (Cleveland).
Flammable Limits:	LOWER: 2.6% UPPER: 12.5%
Products of Combustion:	These products are carbon oxides (CO, CO ₂).

Fire Hazards in Presence of Various Substances:	No Fire Hazard. Slightly flammable to flammable in presence of heat subject to high temperature.
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:	When heated to decomposition it emits acrid smoke and irritating fumes.
Special Remarks on Explosion Hazards:	Not available.
NFPA rating:	NFPA Health: 1; NFPA Flammability: 1; NFPA Reactivity: 0

Section 6. Accidental Release Measures:

Small Spill:	There are no special requirements. Product is non-toxic and is 100% biodegradable. Non-hazardous if it enters waterways. However, do procure following: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill:	There are no special requirements. Wash away with water. However, do procure following: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.
DISPOSAL:	Dispose of in accordance with local and state regulations.

Section 7. Handling and Storage:

Precautions:	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, acids, alkalis, moisture.
Storage:	Hygroscopic. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 40°C (104°F).

Section 8. Exposure Controls, Personal Protection:

Engineering Controls:	Special ventilation is not required as this substance is non toxic and non hazardous. Ensure that eyewash stations are near to the work location.
Personal	Splash goggles and waterproof gloves.

Protection:	
Personal Protection in Case of a Large Spill:	Splash goggles, waterproof gloves and boots, long sleeve shirt and long pants.
Exposure Limits:	TWA: 10 (mg/m ³) from AIHA.

Section 9. Physical and Chemical Properties

Physical state and appearance:	Liquid (stable emulsion form)
Odor:	Practically Odorless.
Taste:	Practically Tasteless.
Color:	light brown
pH (1% soln/water):	6,2 - 6,6
Boiling Point:	188°C (370.4°F)
Melting Point:	-23°C (-78.2°F)
Critical Temperature:	Do not store above 40°C (104°F) .
Specific Gravity:	1.036 (Water = 1)
Vapor Pressure:	0 kPa (@ 20°C) 0.08 mmHg at 20 C 0.129 mmHg at 25 °C
Vapor Density:	2.62 (Air = 1)
Volatility:	Not available.
Odor Threshold:	Not available.
Solubility:	Totally soluble in water

Section 10: Stability and Reactivity Data:

Stability:	The product is stable.
Instability Temperature:	Not available
Conditions of Instability:	Incompatible materials, excess heat, exposure to moist air or water.
Incompatibility with various substances:	Reactive with oxidizing agents, reducing agents, acids, alkalis.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	Hygroscopic; keep container tightly closed. Incompatible with chloroformates, strong acids (nitric acid, hydrofluloric acid), caustics, aliphatic amines, isocyanates, strong

	oxidizers, acid anhydrides, silver nitrate, reducing agents.
Special Remarks on Corrosivity:	Not available.
Polymerization:	Will not occur.

Section 11: Toxicological Information:

Routes of Entry:	Absorbed through skin. Eye contact.
Toxicity to Animals:	ORAL (LD50): Acute: 20000 mg/kg [Rat]. 22000 mg/kg [Mouse]. DERMAL (LD50): Acute: 20800 mg/kg [Rabbit].
Chronic Effects on Humans:	May cause damage to the following organs: central nervous system (CNS).
Other Toxic Effects on Humans:	Slightly hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant, permeator).
Special Remarks on Toxicity to Animals:	Not available.
Special Remarks on other Toxic Effects on Humans:	Acute Potential Health Effects: Skin: May cause mild skin irritation. It may be absorbed through the skin and cause systemic effects similar to those of ingestion. Eyes: May cause mild eye irritation with some immediate, transitory stinging, lacrimation, and mild transient conjunctival hyperemia. There is no residual discomfort or injury once it is washed away. Ingestion: It may cause gastrointestinal tract irritation. It may affect behavior/central nervous system(CNS depression, general anesthetic, convulsions, seizures, somnolence, stupor, muscle contraction or spasticity, coma), brain (changes in surface EEG), metabolism, blood (intravascular hemolysis, white blood cells - decreased neutrophil function), respiration (respiratory stimulation, chronic pulmonary edema, cyanosis), cardiovascular system (hypotension, bradycardia, arrhythmias, cardiac arrest), endocrine system (hypoglycemia), urinary system (kidneys), and liver. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact may cause allergic contact dermatitis. Ingestion: Prolonged or repeated ingestion may cause hyperglycemia and may affect behavior/CNS (symptoms similar to that of acute ingestion). Inhalation: Prolonged or repeated inhalation may affect behavior/CNS (with symptoms similar to ingestion), and spleen

Section 12: Ecological Information:

Ecotoxicity:	Ecotoxicity in water (LC50): >5000 mg/l 24 hours [Goldfish]. >10000 mg/l 48 hours [guppy]. >10000 mg/l 48 hours [water flea].
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:

Waste Information:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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Section 14: Transport Information:

DOT Classification:	Not a DOT controlled material (United States).
Identification:	Not applicable.
Special Provisions for Transport:	Not applicable.

Section 15: Other Regulatory Information:

International Regulations EINECS	Not available.
DACL (EEC)	R22- Harmful if swallowed.
International Lists	No products were found.

Section 16: Other information:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. To the extent permitted by applicable law, Agromarketing Company and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.