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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Product name	L-Tryptophan (Feed Grade)
CAS number	73-22-3
EC number	200-795-6
Index number	Not applicable
Registration number	Not applicable

**Relevant identified uses**

Applications -

**Details of the supplier of the safety data sheet**

<b>Supplier</b>	Pestell Nutrition
<b>Address</b>	141 Hamilton Rd New Hamburg, Ontario Canada, N3A 2H1

<b>Phone</b>	519-662-2877
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<b>Email</b>	qa@pestell.com
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<b>Emergency telephone number (24 hr)</b>	Canada: CANUTEC 1 613-996-6666 US: CHEMTREC 1 703-527-3887
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## 2. HAZARDS IDENTIFICATION

Classification of the substance	DSD (67/548/EC) : Not classified CLP (1272/2008/EC) : Not classified
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Label elements	Hazard pictograms	Not applicable
	Signal word	Not applicable
	Hazard statements	Not applicable
	Precautionary statements	Not applicable

Other hazards	May cause eye and skin irritation. It will increase the biological oxygen demand (BOD) of water.
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Name of substance	L-Tryptophan
	CAS number	73-22-3
	EC number	200-795-6
	Index number	-
	Concentration	As L-Tryptophan, at least 98.0% (as is)

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## 4. FIRST AID MEASURES

Description of first aid measures	After eye contact	Immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. If contact lenses are being worn, remove lenses and continue rinsing. Seek medical attention.
	After skin contact	Wash with soap and copious amounts of water. If irritation persists, seek medical attention.
	After inhalation	Immediately relocate to a fresh air environment. Rinse mouth with water. If not breathing, give artificial respiration. If breathing becomes difficult, give oxygen and seek medical attention.
	After ingestion	Rinse mouth with water and seek medical attention.
Most important symptoms and effects, both acute and delayed		Not determined
Indication of any immediate medical attention and special treatment needed		Not determined

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## 5. FIREFIGHTING MEASURES

Extinguishing media	Water spray, carbon dioxide, dry chemical powder/foam
Special hazards arising from the substance or mixture	May form flammable dust/air mixtures; Release nitrous oxides when burning
Special Fire-Fighting procedures	Minimize dust formation Should wear protective clothing and respiratory protection to protect from fumes of NOx.
Advice for firefighters	Fire fighting and others exposed to products of combustion must wear self-contained breathing apparatus Equipment should be thoroughly decontaminated after use

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## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protection, see section 8.
Environmental precautions	Do not discharge into sewer, river, underground water, etc.
Methods and material for containment and cleaning up	After recovering, wash away spilled area with plenty of water. Make spills wet to prevent the generation of dust and then, sweep up into a closed container.
Reference to other sections	None

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## 7. HANDLING AND STORAGE

Precautions for safe handling	Follow good industrial practice in housekeeping and personal hygiene. Wear personal protective equipment as outlined in section 8.
Conditions for safe storage, including any incompatibilities	Store in closed containers in a dry area. Avoid humidity, sunlight and high temperature.
Specific end use(s)	Not applicable

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	Not applicable	
Engineering Controls	Not available	
Personal Protection	Respiratory protection	: Dust mask or appropriate respirator. Utilize local exhaust ventilation.
	Eye protection	: Chemical safety goggles
	Body protection	: Wear appropriate laboratory apparel, protect exposed skin.
	Protective gloves	: Rubber
	Hygiene measures	: Ordinary ventilation

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Information of basic physical and chemical properties	Physical state	White to yellowish white crystals or crystalline powder
	Colour	White to yellowish white
	Odour	Odourless
	Odour threshold	Not determined
	pH	5.0-7.0 (1.0g in 100mL of H <sub>2</sub> O)
	Melting point	289°C (decomposes)
	Boiling point	Not determined
	Flash point	Not determined
	Evaporation rate	Not determined
	Flammability	Not determined
	Auto flammability	Not determined
	Upper/lower flammability or explosive limits	Not determined
	Explosive properties	Not determined
	Oxidising properties	Not determined
	Vapour pressure	Not determined
	% volatile by volume	Not determined
	Vapour density	Not determined
	Relative density	Not determined
	Solubility in water	1.06 g/100g H <sub>2</sub> O (20°C)
	Other solvents	Not determined
Partition coefficient (n-octanol/water)	Not determined	
Decomposition temperature	Not determined	
Viscosity	Not determined	
Other information	No other information	

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## 10. STABILITY AND REACTIVITY

Reactivity	Not determined
Chemical stability	Stable under normal temperature and pressures
Possibility of hazardous reactions	Hazard polymerization will not occur
Conditions to avoid	Humidity and high temperature
Incompatible materials	Strong oxidizing agents
Hazardous decomposition materials	Nitrogen oxides (combustion)

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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD <sub>50</sub> > 16 g/kg rat
Skin corrosion/irritation	May cause skin irritation. No specific data available May be harmful if absorbed through the skin
Serious eye damage/irritation	May cause eye irritation. No specific data available
Respiratory or skin sensitization	Not determined
Germ cell mutagenicity	Not determined
Carcinogenicity	Not determined
Reproductive toxicity	Not determined
STOT-single exposure	Not determined
STOT-repeated exposure	Not determined
Aspiration hazard	Not determined
RTECS No.	YN6130000

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## 12. ECOLOGICAL INFORMATION

Toxicity	Not determined
Persistence and degradability	BOD = 1.37g/g
Bioaccumulative potential	Not determined
Mobility in soil	Not determined
Results of PBT and vPvB assessment	Not determined
Other adverse effects	Not determined

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## 13. DISPOSAL CONSIDERATIONS

Waste treatment methods	Contact a licensed professional waste disposal service to dispose of this material Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber
List of CER codes	Allocation of the waste code numbers according EC Directive 91/692/EEC must be realized under considerations of existing sector specifics and processes

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## 14. TRANSPORT INFORMATION

UN Number	None
UN proper shipping name	None
Transport hazard classes	None
Packing group	None
Environmental hazards	None
Land transport (ADR/RID)	None
Onland waterway craft (ADN/ADNR)	None
Marine transport (IMDG)	None
Air transport (IATA)	None
Special precautions for user	None
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not determined

No special requirements for transport according to international regulations.  
Avoid humidity and high temperature. Prevent damage of the container.

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## 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	Not applicable
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Chemical safety assessment	Not applicable
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The information given in this Safety Data Sheet does not replace the users own assessment of workplace risk as required by national, state and local health and safety legislation.

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## 16. OTHER INFORMATION

### Disclaimer

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. Pestell Nutrition and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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