



G.K. Chemical Specialties Co. Inc.  
90 Barbados Blvd.  
Scarborough, Ontario M1J 1K9  
Tel: (416) 261-7182 Fax: (416) 261-5663

## SAFETY DATA SHEET (SDS)

<b>PRODUCT NAME: G-120 ENVIRONMENTALLY SAFE LIQUID ENZYME</b>	
<b>HEALTH HAZARD RATING:</b>	(0)- MINIMAL HAZARD      NFPA Rating
<b>FLAMMABILITY HAZARD RATING:</b>	(0)- MINIMAL HAZARD
<b>REACTIVITY HAZARD RATING:</b>	(0)- MINIMAL HAZARD
<b>PERSONAL PROTECTION:</b>	a (glasses)
<b>HAZARD ALERT SIGN:</b>	NO SYMBOL: Not a hazardous product according to Globally Harmonized System (GHS)

<b>SECTION 1 – IDENTIFICATION</b>	
<b>PRODUCT IDENTIFIER</b>	
<b>PRODUCT NAME</b>	G-120 ENVIRONMENTALLY SAFE LIQUID ENZYME
<b>MANUFACTURER'S NAME AND ADDRESS EMERGENCY PHONE NO.</b>	G.K. Chemical Specialties Co. Inc. 90 Barbados Blvd. Scarborough, Ontario M1J 1K9 (416) 261-7182 / 905 427-7605/ 416-526-4037
<b>SUPPLIER'S NAME AND ADDRESS EMERGENCY PHONE NO.</b>	
<b>CHEMICAL NAME</b>	N/A
<b>CHEMICAL FAMILY</b>	N/A
<b>TRADE NAME AND SYNONYMS</b>	N/A
<b>MATERIAL USE</b>	COMMERCIAL, INDUSTRIAL, INSTITUTIONAL

G.K. Chemical Specialties Co. Inc. has compiled the information and recommendations contained in this Safety Data Sheet from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the SDS was prepared. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation.

G.K. Chemical Specialties Co. Inc. extends no warranty and assumes no responsibility as to the accuracy of the content or sufficiency of the information and expressly disclaims all liability for reliance thereon. This SDS provides guidelines for the safe handling of this product. It does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required. Individuals exposed to this product should read and understand this information and be provided pertinent training prior to working with this product.

G.K. Chemical Specialties Co. Inc. assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.

INGREDIENTS. This SDS, under section of Ingredients, contains all ingredients listed under INGREDIENT DISCLOSURE LIST P.C. 1987-2719, 20/1/88 CANADA GAZETTE PART II VOL. 122, No 2 of HAZARDOUS PRODUCT ACT.

Percentage range of concentration of ingredients is expressed as percentage by weight of the total weight of the product. Ingredient List does not necessarily list all ingredients in the formulation and does not necessarily list all ingredient range of concentration, other than ingredients under the Disclosure List.

T.L.V. (units) or Threshold Limit Values refer to the limiting concentrations recommended by the Ministry of Labour. These values were adopted by the American Conference of Governmental Industrial Hygienists (A.C.G.I.H.). The figures refer to time-weighted average concentrations as P.P.M. (V/V) or mg/m<sup>3</sup> for a normal working day or at any time for some materials.

"C.A.S REG. No." means the identification number assigned to a chemical substance by the Chemical Abstracts Service Division of the American Chemical Society.

"LC 50" means the concentration of a substance in air that when administered by means of inhalation over a specified length of time in an animal assay, is expected to cause the death of 50 per cent of a defined animal population.

"LD 50" means the single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause death of 50 per cent of a defined animal population.

FLASH POINT. The minimum temperature at which a substance gives off flammable vapors which in contact with spark or flame will ignite.

NIOSH- National institute for occupational safety and health

STEL- Short term exposure limit

TWA- Time-weighted average

PEL- Permissible exposure limit

ACGIH- American conference of governmental industrial hygienist

OSHA- Occupational safety and health act

<b>SECTION 2 – HAZARD IDENTIFICATION</b>	
	Dangerous Goods- WHMIS; Not regulated <b>GHS CLASSIFICATION</b> <b>Not a hazardous product according to Globally Harmonized System (GHS)</b> This product does not contain hazardous chemical at or above a reportable level as defined by OSHA 29 CFR 1910,1200 OR Canadian Controlled Products Regulations <b>POTENTIAL HEALTH EFFECTS</b> May cause some eye irritation May cause vomiting and diarrhea if large amounts are swallowed <b>RESPONSE:</b> P305 + P351 + P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice/ attention P301 + P330 + P331; IF SWALLOWED; Rinse mouth. Do NOT induce vomiting P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician

<b>SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS</b>				
<b>HAZARDOUS INGREDIENTS</b>	<b>APPROXIMATE CONCENTRATION %</b>	<b>C.A.S., N.A. OR U.N. NUMBERS</b>	<b>LD50 {SPECIFY SPECIES &amp; ROUTE}</b>	<b>LC 50 {SPECIFY SPECIES &amp; ROUTE}</b>
This product is a buffered and preserved aqueous solution containing naturally-occurring viable non-pathogenic bacterial cultures			PRODUCT DOES NOT CONTAIN HAZARDOUS INGREDIENTS	

<b>SECTION 4 – FIRST AID MEASURES</b>	
<b>SKIN CONTACT</b>	No known significant effects or critical hazards expected for this product. May cause some mild irritation to some people.
<b>EYE CONTACT</b>	May cause mild irritation. Immediately hold eyelids open and flush with water for at least 15 minutes. Seek medical attention if required
<b>INHALATION</b>	No known significant effects or critical hazards
<b>INGESTION</b>	Ingestion of large amounts may cause vomiting and diarrhea. Do not induce vomiting. Drink 1 or 2 glasses of water. Seek immediate medical attention. Never give anything by mouth to an unconscious or convulsing person. If vomiting occur spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.
<b>NOTES TO PHYSICIAN</b>	Treatment based on sound judgment of physician and individual reaction of patient.

<b>SECTION 5 – FIRE-FIGHTING MEASURES</b>	
<b>FLASH POINT ( °C)</b>	Not flammable
<b>FLASH POINT METHOD</b>	Not applicable
<b>AUTOIGNITION TEMPERATURE ( °C)</b>	Not applicable

<b>UPPER FLAMMABLE LIMIT ( % VOL.)</b>	Not applicable
<b>LOWER FLAMMABLE LIMIT ( % VOL. )</b>	Not applicable
<b>HAZARDOUS COMBUSTION PRODUCTS</b>	Carbon Dioxide ( CO <sub>2</sub> ), Carbon monoxide (CO), oxides of Nitrogen
<b>UNUSUAL FIRE/ EXPLOSION HAZARDS</b>	None known
<b>SENSITIVITY TO MECHANICAL IMPACT</b>	Not sensitive
<b>SENSITIVITY TO STATIC DISCHARGE</b>	Not sensitive
<b>EXTINGUISHING MEDIA</b>	Water spray, foam, dry powder or Carbon Dioxide. Use media appropriate for surrounding fire
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	Fire fighters should wear full protective clothing, including self-contained breathing equipment

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>LEAK AND SPILL PROCEDURE</b>	Stop leak. Move containers from spill area. Dilute with water and mop up. Material can create slippery conditions. Use non-slip safety shoes in areas where spills or leaks can occur
<b>ENVIRONMENTAL PRECAUTIONARY</b>	This product is biodegradable. Flush to sewage drain. Rinse area.
<b>PERSONAL PRECAUTIONARY MEASURES</b>	Wear protective clothing during cleanup

### SECTION 7 – HANDLING AND STORAGE

<b>HANDLING PROCETURES</b>	Avoid contact with eyes. Avoid ingestion. Use good industrial hygiene practices in handling this product. Keep container closed when not in use.
<b>STORAGE NEEDS</b>	Keep container tightly closed. Keep away from children. Do not store in unlabeled containers. Do not store with strong oxidizing agents.

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>VENTILATION REQUIREMENTS</b>	General ventilation is recommended.
<b>PROTECTIVE EQUIPMENT</b>	Ensure that eyewash stations are proximal to the work-station location
<b>EYE/TYPE</b>	Safety glasses
<b>RESPIRATORY/TYPE</b>	None required
<b>GLOVE/TYPE</b>	None required
<b>FOOTWEAR/TYPE</b>	No special footwear is required
<b>BODY/TYPE</b>	No special protective clothing is required

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE – PHYSICAL STATE</b>	Turbid /milky Liquid
<b>ODOUR</b>	Mild fresh odour
<b>ODOUR THRESHOLD (PPM)</b>	Not available
<b>PH</b>	7.00 ±0.50 in water
<b>MELTING POINT ( °C)</b>	Not applicable
<b>BOILING POINT ( °C )</b>	100°C
<b>FREEZING POINT ( °C )</b>	0°C
<b>EVAPORATION RATE</b>	As water
<b>FLAMMABILITY</b>	Not applicable

<b>FLASH POINT ( °C)</b>	Not applicable
<b>AUTO IGNITION TEMPERATURE</b>	Not applicable
<b>DECOMPOSITION TEMPERATURE</b>	Not available
<b>VAPOUR DENSITY</b>	Not applicable
<b>VAPOUR PRESSURE</b>	Not applicable
<b>SOLUBILITY</b>	Soluble in water
<b>VISCOSITY</b>	Thin liquid
<b>% VOLATILE BY VOLUME</b>	Not available
<b>SPECIFIC GRAVITY</b>	1.00 ± 0.02 gm / cm <sup>3</sup>

<b>SECTION 10 – STABILITY AND REACTIVITY</b>	
<b>REACTIVITY</b>	The product is stable
<b>CHEMICAL STABILITY</b>	Stable
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>	Not applicable
<b>CONDITIONS TO AVOID</b>	Extreme temperatures. Incompatible materials may react with product and inactivate bacterial cultures.
<b>INCOMPATIBLE MATERIALS</b>	Strong Oxidizing agents, strong acids, strong alkali.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Carbon Dioxide (CO <sub>2</sub> ), Carbon Monoxide (CO), Oxides of Nitrogen

<b>SECTION 11 –TOXICOLOGICAL INFORMATION</b>	
<b>TOXICITY EFFECTS ON ANIMALS</b>	Product is classified as non-toxic.
<b>TOXIC EFFECTS ON HUMANS</b>	May cause mild irritation of eyes
<b>CHRONIC EFFECTS ON HUMANS</b>	No known significant effects
<b>CARCINOGENICITY</b>	No evidence
<b>TERATOGENICITY</b>	No evidence
<b>MUTAGENICITY</b>	No evidence
<b>REPRODUCTIVE EFFECTS</b>	No evidence

<b>SECTION 12 –ECOLOGICAL INFORMATION</b>	
<b>ECOTOXICITY DATA</b>	This product is not expected to be dangerous to the environment with respect to mobility, persistence, biodegradability, bio-accumulative potential, and aquatic toxicity
<b>BIODEGRADABILITY</b>	Biodegradable
<b>PRODUCTS OF DEGRADATION</b>	No data

<b>SECTION 13 – DISPOSAL CONSIDERATIONS</b>	
<b>WASTE DISPOSAL</b>	Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations
<b>INFORMATION ON SAFE HANDLING FOR DISPOSAL INCLUDING ANY CONTAMINATED PACKAGING</b>	Suitable waste facility

<b>SECTION 14 – TRANSPORT INFORMATION</b>	
<b>UN NUMBER</b>	Not applicable
<b>UN PROPER SHIPPING NAME</b>	Not applicable
<b>TRANSPORT HAZARD CLASS</b>	Not regulated
<b>PACKAGING GROUP</b>	Not applicable
<b>ENVIRONMENTAL HAZARDS</b>	Nil
<b>TRANSPORT IN BULK, if applicable</b>	Not applicable
<b>SPECIAL PRECAUTIONS</b>	NIL

<b>SECTION 15 – REGULATORY INFORMATION</b>	
<b>SAFETY HEALTH &amp; ENVIRONMENTAL REGULATIONS SPECIFIC TO THE PRODUCT</b>	<p>U.S. TSCA inventory Status: All components of this product are either on the Toxic Substances Control Act (TSCA) INVENTORY List or exempt.</p> <p>Canadian DSL Inventory Status: All components of this product are either on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL) or exempt.</p>

<b>SECTION 16 – OTHER INFORMATION</b>	
<b>PREPARED BY:</b>	Gus Kaklamanos - Chemist
<b>TELEPHONE NO.:</b>	416-261-7182
<b>DATE OF THE LATEST REVISION OF SDS:</b>	<b>May 8, 2024</b>

**NOTE: After the use of this product do not use Germicidal detergents or Bleach since they will kill the bacterial cultures and the product will be inactive.**