

# VITAX SAFETY INFORMATION SHEET

## IDENTIFICATION OF PREPARATION **LIQUID LONGLAST 21-0-0**

Packaging: 10 litre HDPE containers

### AND COMPANY

Vitax Ltd, Owen Street, Coalville LE67 3DE Tel: 01530 510060

### COMPOSITION

Nitrogenous fertiliser with Dicyandiamide and NBPT.

INGREDIENT	% w/w	CAS No	EC No	CLASSIFICATION
N-(n-Butyl)-thiophosphoric triamide	<0.1	94317-64-3		
Urea	25-50	57-13-6		
Dicyandiamide	<5	461-58-5		
Ammonium nitrate	<20	6484-52-2	229-347-8	O R8

### HAZARDS IDENTIFICATION

Not classified as dangerous.

### FIRST AID MEASURES

Accidental over-exposure may result in the following symptoms:-

Eye Contact - may be irritating to the eyes at high concentrations.

Skin Contact - may be irritating to broken skin.

Ingestion - may cause nausea, vomiting and electrolyte depletion.

Additional medical guidance may be available to doctors from the National Poisons Information Service.

Eye Contact - in cases of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation continues.

Skin Contact - if irritation occurs wash thoroughly with soap and water immediately. Get medical attention if irritation persists.

Ingestion - if swallowed rinse out mouth with water and seek medical advice immediately. Do not induce vomiting or give anything by mouth to an unconscious person.

Inhalation - if inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

### FIRE FIGHTING MEASURES

Not flammable. Thermal decomposition will produce oxides of carbon, nitrogen and sulphur. Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus and full protective equipment. Extinguish with carbon dioxide or dry chemical for small fires; alcohol foam for large fires. Contain contaminated run-off.

### ACCIDENTAL RELEASE MEASURES

Spilled materials, wet or dry can cause slippery conditions. Sweep or shovel materials into containers for recovery. Scrub contaminated area with detergent and water. Prevent clean-up liquid from entering sewers, waterways or low areas. Soak up with sand or other absorbent material.

### HANDLING AND STORAGE

Long term storage at temperatures above 36°C (100°F) can result in significant decomposition of the N-(n-butyl) thiophosphoric triamide. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Wear protective clothing and equipment such as safety glasses, rubber gloves. Clean protective clothing, as needed. See next Section.

### EXPOSURE CONTROLS/ PERSONAL PROTECTION

Use only with adequate ventilation. Keep container tightly closed. Do not consume food, drink or tobacco in the areas where they may become contaminated with this material.

RESPIRATORY: use with adequate ventilation. Respiratory protection not required under normal use.

PROTECTIVE GLOVES: use rubber gloves if skin irritation is observed.

EYE PROTECTION: wear safety glasses or goggles, when appropriate, to prevent contact with eyes.

OTHER: washing facilities should be available. Use long sleeves or other clothing to avoid excessive contact.

**PHYSICAL & CHEMICAL PROPERTIES**

Appearance	green liquid
Odour	N/A
pH	7.2 (10%)
Boiling point	decomposes at 135°C (275°F)
Melting point	approximately at 135°C (275°F)
Flash point	none
Flammability	none
Autoflammability	none
Explosivity	none
Oxidizing properties	none
Vapour pressure	not available
Specific Gravity	1.15
Relative density	not applicable
Solubility	soluble
Other data	none

**STABILITY & REACTIVITY**

STABILITY: stable at normal temperatures.  
HAZARDOUS POLYMERISATION: will not occur.  
INCOMPATIBILITY: incompatible with acids, strong oxidizing agents; reducing agents.  
HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: thermal decomposition will product oxides of carbon, nitrogen and sulphur.

**TOXICOLOGICAL INFORMATION**

CHRONIC: None known  
CARCINOGENICITY: none of the components in this material are listed by IARC, NTP, OSHA or ACGIH as a carcinogen. The toxicological effects of this product have not been tested. The following data is for Urea:  
ACUTE INHALATION: no data available  
ACUTE SKIN: no data available  
ACUTE ORAL: > 2000 mg/kg (by calculation)  
NOTE: Toxicity has been observed in cattle not previously exposed to urea.  
IRRITATION:  
EYES: minimal irritation (mechanical)  
SKIN: minimal irritation  
SUBCHRONIC EFFECTS: no data  
CHRONIC EFFECTS/CARCINOGENICITY: no data  
SENSITISATION: no data

**ECOLOGICAL INFORMATION**

This product has not been tested. However, both urea and NBPT have a very low toxicity to aquatic organisms.

**DISPOSAL CONSIDERATIONS**

Treatment, storage, transportation and disposal must be in accordance with applicable federal, state/provincial and local regulations. Do not flush to surface water or sanitary sewer system.

**TRANSPORT INFORMATION**

Not classified as dangerous for carriage.

**OTHER INFORMATION**

The product label provides information on the use of the product: do not use otherwise, unless you have assessed any potential hazard involved and the safety measures.

Prepared by VITAX LTD, for Health and Safety purposes from the best knowledge available at the time of printing.

**January 2002**