

Liquid Humate – Material Safety Data Sheet

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GENERAL INFORMATION:

Product Name: Liquid Humate
Product Code: LH20
Product Classification: Liquid fertiliser, plant growth stimulant and soil conditioner

PHYSICAL AND CHEMICAL PROPERTIES:

Description: Dark Brown/Black Liquid
Solubility in Water: 100% soluble
pH of 1% solution: 9.5 – 12.0
Specific Gravity(kg/l): 1.10
Colour: Yellow/Brown
Odour: Slight malt odour

HAZARDOUS INGREDIENTS:

FIRE DATA: Non flammable water based liquid
Flash Point: Not relevant
Extinguishing Media: Not relevant

REACTIVITY DATA:

Stability Stable liquid with no hazardous decomposition products.
Hazardous Polymerisation No hazardous polymerisation.
Incompatibilities None known

STORAGE AND HANDLING:

Storage and Transport: Store and transport in sealed containers below 40°C and above -10°C.

Spills and Disposal: Dilute and wash away with large amounts of water.

Fire Explosion/Hazard: Non flammable water-based product, it can only ignite if dried to a powder.

Asphyxiation Hazard: Not a volatile liquid. No harmful gases emitted unless dried powder is ignited in large amounts.

- Store at room temperature
- Keep lid closed firmly at all times.
- Keep away from the reach of children.
- Store away from food and animals.

HEALTH EFFECTS:

Acute:

Swallowed: Small quantities not harmful.

Eye: May cause mild eye irritation.

Skin: Mild irritant, possible skin reddening.

Inhaled: Mild irritant, can only occur when spraying a diluted solution.

Chronic: There have been no reports in the literature of health effects in workers arising from long term exposure to this substance.

FIRST AID:

Eye: Immediately irrigate with water or neutral saline solution.

Skin: Wash off with water immediately.

Inhaled: Not a volatile liquid, if inhaled, blow out and seek medical attention.

First Aid Facilities: Water or neutral saline solution for eye wash.

Advice to Doctor: Treatment would be supportive, as there is no specific antidote.

Reactivity Data:

ENVIRONMENTAL DATA

Prevent discharge to the environment. If accidentally discharged, bund around spill and pick up spillage with appropriate cleaning equipment (an absorbent media like sand or similar) and report the accident to the EPA. For disposal, seek advice of the EPA.

EXPOSURE CONTROL/PERSONAL PROTECTION

Eye Protection Wear protective goggles or face shields when handling product

Skin Protection Use chemical resistant gloves and overalls when handling product.
Wash hands after handling product

Ventilation Not a volatile liquid, no harmful gases given off. Natural ventilation is usually adequate. Do not spray in an enclosed environment.

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