



# SAFETY DATA SHEET

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## 1. IDENTIFICATION

### 1.1. Product Identifier

**Product Identity:** Neptune's Harvest LC-12 Liquid Humate

**Alternate Names:** Potassium-Sodium Humate, Soluble Humic Acids

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use** Plant and Soil Amendment

**Application Method** Varies (liquid)

### 1.3. Details of the supplier of the Safety Data

**SDS Sheet Company Name** Neptune's Harvest  
28 Kondelin Rd,  
Gloucester MA 01930  
United States of America

**Emergency:**

**Emergency Telephone Number** 1-800-259-4769

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

No applicable GHS categories.



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## 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

No applicable GHS categories.

### [Prevention]:

No GHS prevention

statements [Response]:

No GHS response statements

### [Storage]:

No GHS storage statements

### [Disposal]:

No GHS disposal statements

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Humic acids, potassium and sodium salts CAS Number(s): 0068514-28-3, 0068131-04-4	12	Not Classified	[1]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

## 4. FIRST AID MEASURES



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## 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek qualified medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove person to fresh air, keep them calm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention.
<b>Eyes</b>	Rinse eyes with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water.
<b>Ingestion</b>	Rinse mouth. Drink large amounts of water as needed to relieve any discomfort.

## 4.2. Most important symptoms and effects, both acute and delayed

<b>Overview</b>	Liquid may cause irritation to eyes, ears or skin. Skin contact and ingestion are not considered hazardous.
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## 5. FIRE\_FIGHTING MEASURES

### 5.1. Extinguishing media

Use media appropriate for surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

### 5.3. Advice for fire-fighters

Substance is not considered a fire or explosion hazard.

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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet.

Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Small: Rinse with water until clear.

Large: Sweep/ Scoop Material, collect and containerize.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Minimize generation of splashing during handling.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Requirements:** Store in a dry location to avoid moisture damage. Suitable for general storage areas.

Keep product container closed and covered if possible. Keep out of reach of children.

**Incompatible materials:** Incompatible with strong acids. Powerful oxidizing agents can cause gassing when mixed with product.

### 7.3. Specific end use(s)

No data available.



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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1. Control

#### parameters Exposure

CAS No.	Ingredient	Source	Value
0068514-28-3	Humic acids, potassium salts	OSHA	No Established Limit
0068131-04-4	Humic acids, sodium salts	ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

#### Carcinogen Data

CAS No.	Ingredient	Source	Value
0068514-28-3	Humic acids, potassium salts	OSHA	Select Carcinogen: No
0068131-04-4	Humic acids, sodium salts	NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

### 8.2. Exposure controls

- Respiratory** Particulate respirator. If in an enclosed area, make sure there is adequate ventilation.
- Eyes** Use approved safety glasses to avoid particulate.
- Skin** Gloves may be worn but are not considered mandatory.
- Engineering Controls** Local exhaust ventilation and confinement of handling systems may be required to control exposure to dust.
- Other Work Practices** Under normal use conditions, application of this product should not require PPE. In industrial process settings, protective clothing should be worn to avoid excessive skin contact and/or skin staining. Disposable units are normally satisfactory for short-term or intermittent exposure. The use of additional personal protective equipment is optional. Safety goggles, coveralls and protective footwear may be



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used when handling bulk quantities of the product. Follow good personal hygiene practices. Wash hands before eating, drinking, smoking, etc. Promptly remove soiled clothing and wash thoroughly before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Black Liquid
<b>Odor</b>	Generally Odorless
<b>Odor threshold</b>	Not determined
<b>pH (12% solution)</b>	8.5 - 9.5
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	Not Measured
<b>Flash Point</b>	Not Measured
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	Negligible
<b>Vapor Density</b>	Not Measured
<b>Specific Gravity</b>	Not Measured
<b>Solubility in Water</b>	Soluble
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	Not Measured
<b>Bulk Density</b>	62-65 lbs per cubic foot



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**Moisture** 88%

## 9.2. Other information

No other relevant information.

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

Incompatible with strong acids in solution. Powerful oxidizing agents can cause gassing when mixed with product.

### 10.6. Hazardous decomposition products

No hazardous decomposition data available.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50,mg/L	Inhalation Gas LC50, ppm
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Humic acids, potassium salts - (68514-28-3) Humic acids, sodium salts - (68131-04-4)	No data available	No data available	No data available	No data available	No data available
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Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity





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Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Humic acids, potassium and sodium salts	Not Available	Not Available	Not Available

## 12.2. Persistence and degradability

There is no data available on the preparation itself.

## 12.3. Bioaccumulative potential

Not Measured

## 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

## 12.6. Other adverse effects

No data available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of in accordance with applicable environmental regulations, including local requirements.

Avoid contamination of ponds, waterways, retention basins, etc..

## 14. TRANSPORTATION INFORMATION

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
<b>14.1. UN number</b>	Not Applicable	Not Regulated	Not Regulated



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<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b>	<b>IMDG:</b> Not Applicable	<b>Air Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	<b>Sub Class:</b> Not	
<b>14.5. Environmental hazards</b>	Not Applicable	Applicable Not Applicable	Not Applicable
<b>IMDG</b>	Marine Pollutant: No		
<b>14.6. Special precautions for user</b>	No additional information		

## 15. REGULATORY INFORMATION

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.		
<b>Toxic Substance</b>	All components of this material are either listed or exempt from listing on the TSCA		
<b>Control Act ( TSCA)</b>	Inventory.		
<b>WHMIS Classification</b>	Not Regulated		
<b>US EPA Tier II Hazards</b>	<b>Fire:</b> No		
	<b>Sudden Release of Pressure:</b> No		
	<b>Reactive:</b> No		
	<b>Immediate (Acute):</b> No		
	<b>Delayed (Chronic):</b> No		

### EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



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**EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (>1%) :**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Pennsylvania RTK Substances (>1%) :**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

## 16. Other information

The information contained herein is based upon knowledge believed to be reliable, but neither Neptune's Harvest, nor its affiliates, makes any warranties, expressed or implied, as to the accuracy or adequacy thereof. Nothing herein excuses the recipient hereof from such duties as shall be imposed by the Occupational Safety & Health Act of 1970 and regulations issued pursuant thereof.

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