



## Safety Data Sheet HumiK LX

Revision Date:  
08/20/2025

### Section 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product Identity** HumiK LX

**Alternate Names** HumiK LX

**Unique Formula Identifier**

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

**Intended Uses and Uses Advised Against** See Technical Data Sheet.

#### 1.3. Details of the supplier of the safety data sheet

**Company Name** HGS BioScience  
709 Eastport Road  
Jacksonville, FL 32218

**Customer Service:** 904-329-1012

#### 1.4. Emergency telephone number

**Emergency**

**CHEMTREC (USA)** (800) 424-9300

**24 hour Emergency Telephone No.** CHEMTREC (USA) (800) 424-9300

### Section 2. Hazard identification of the product

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

No applicable CLP categories.

#### 2.2. Label elements

**According to REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006**

No applicable CLP categories.

#### 2.3. Other hazards

This product contains no PBT/vPvB chemicals.

This product contains no endocrine disrupting chemicals.

### Section 3. Composition/information on ingredients

#### 3.2. Mixtures

If the product contains substances that present a hazard according to Regulation (EC) No. 1272/2008 [CLP/GHS], they are listed below.

Ingredient/Chemical Designations	Weight %	EC No. 1272/2008 Classification*	Notes
Humic acids, potassium salts CAS Number: 0068514-28-3 EC No. 271-030-1	10 - 15	Not Classified	

<sup>^</sup>CLP <sup>31</sup> Reference EC No. 1272/2008 1.1.3.1. Notes relating to the identification, classification and labelling of substances (Table 3.1).

\*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

### Section 4. First aid measures

#### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eye</b>	Irrigate copiously 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 or use a recognized skin cleanser.
<b>Ingestion</b>	Rinse mouth. Dilute the stomach contents by giving large amounts of water or milk.

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

<b>Overview</b>	Product may cause oxygen deficiency in enclosed space. Dust causes irritation. Skin contact and ingestion are not considered hazardous. Treat symptomatically. See section 2 for further details.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	Treat symptomatically.
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### Section 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.

## Section 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

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

For Containment: Product is dry, dust or granule. Sweep or scoop up spilled product for use, recycle or disposal.

### 6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

## Section 7. Handling and storage

### 7.1. Precautions for safe handling

Material is naturally occurring. Keep dry, prevent release to waterways. Product is non-flammable, non-reactive.

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

Incompatible materials: No data available.

### 7.3. Specific end use(s)

No data available.

## Section 8. Exposure controls / personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0068514-28-3	Humic acids, potassium salts	ACGIH	No Established Limit
		DNEL Local Exposure	No Established Limit



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		DNEL Systematic Exposure	No Established Limit
		National	No Established Limit

## 8.2. Exposure controls

<b>Respiratory</b>	If using it in an enclosed area, make sure there is good ventilation.
<b>Eyes</b>	Eye protection may be worn but not required.
<b>Skin</b>	Gloves may be worn but not required.
<b>Engineering Controls</b>	Local exhaust ventilation and confinement of handling systems may be required to control exposure to dust.
<b>Other Work Practices</b>	Under normal use conditions, application of this product should not require PPE. In industrial process settings, respirator equipped with a dust filter, should be worn when exposed to the product under dust generating conditions. 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 worn when handling bulk quantities of the product. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	Liquid
<b>Color</b>	Blackish/Brown
<b>Odor</b>	Wet Soil-Like
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	212°F / 100°C
<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>Flash Point</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>pH</b>	~9.45
<b>Viscosity (cSt)</b>	Not Measured
<b>Solubility in Water</b>	Soluble
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Vapor pressure (Pa)</b>	Not Measured
<b>Relative Density</b>	1.05
<b>Vapor Density</b>	Not Measured



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Evaporation rate (Ether = 1)

Not Measured

Density

8.76

### 9.2. Other information

No other relevant information.

## Section 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

No data available.

### 10.6. Hazardous decomposition products

No hazardous decomposition data available.

## Section 11. Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

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).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Humic acids, potassium salts - (68514-28-3)	No data available.	No data available.	No data available.	No data available.	No data available.

Classification	Category	Hazard Description
Acute toxicity (oral)	---	---
Acute toxicity (dermal)	---	---
Acute toxicity (inhalation)	---	---
Skin corrosion/irritation	---	---



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Serious eye damage/irritation	---	---
Respiratory sensitization	---	---
Skin sensitization	---	---
Germ cell mutagenicity	---	---
Carcinogenicity	---	---
Reproductive toxicity	---	---
STOT-single exposure	---	---
STOT-repeated exposure	---	---
Aspiration hazard	---	---

## 11.2 Information on other hazards

### 11.2.1. Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

## Section 12. Ecological information

### 12.1. Toxicity

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

#### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L	3hr IC50 Bacteria mg/L	Biodegradability %
Humic acids, potassium salts - (68514-28-3)	No data available.	No data available.	No data 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 Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

### 12.7. Other adverse effects

No data available.



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### Section 13. Disposal considerations

#### 13.1. Waste treatment methods

Dispose of in accordance with applicable environmental regulations, including local requirements. Avoid contamination of ponds, waterways or ditches.

### Section 14. Transport information

	ADR/RID	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Regulated	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable Sub Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air class: Not Applicable Sub Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
14.6. Special precautions for user	Marine Pollutant: No; Not Applicable		
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC	Not Applicable	Code	

### Section 15. Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU Legislation

REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).  
REGULATION (EC) 1272/2008 on the classification, labeling and packaging of substances and mixtures (CLP).

##### National Legislation

German WGK Class: 3

SVHC Ingredient: Not Applicable

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not Applicable



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### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

## Section 16. Other information

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The full text of the phrases appearing in section 3 is:

Not Applicable

ACGIH - American Conference of Governmental Industrial Hygienists

ADR - International Carriage of Dangerous Goods by Road (Accord Dangereux Routier)

CAS - Chemical Abstract Service

CLP - Classification Labeling and Packaging

EC50 - Half maximal effective concentration

ErC50 - The concentration of test substance which results in a 50 percent reduction in growth rate (ErC50) relative to the control within 72hrs exposure.

GHS - Globally Harmonized System

IARC - International Agency for Research on Cancer

IATA - International Civil Aviation Organization

IC50 - The amount of a substance suspended in the air required to kills 50% of a test animals during a predetermined observation period.

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods

IMO - International Maritime Organization

LC50 - Is the Lethal Concentration of a substance at which 50% of test animals die.

LD50 - Is the Lethal Dose at which 50% of the animals will be expected to die.

NIOSH - National Institute for Occupational Safety and Health

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

PBT - Persistent, Bioaccumulative and Toxic Chemicals

PEL - Permissible Exposure Limit

REACH - Registration, Evaluation, Authorization and Restriction of Chemicals

RID - Regulations concerning the international carriage of dangerous goods by rail)

STEL - Short Term Exposure Limit

TWA - Time Weighted Average

vPvB - Very Persistent and very Bio-accumulative

WGK - Water Hazard Class

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

No applicable GHS categories.

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