

SECTION 1: Identification

1.1. Identification

Product name : Soluble Humic Acid
 Chemical description : Potassium humate, humic acid

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

Use of the substance/mixture : Fertilizers

1.3. Details of the supplier of the safety data sheet

Ferti-Organic, Inc
 3010 JCS Industrial Dr.
 Brownsville, TX 78526
www.ferti-organic.com

1.4. Emergency telephone number

Emergency number : Contact your local emergency response services

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Humic acid	None	100	Not classified

Full text of classification categories and H statements: See section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

First-aid measures after skin contact : Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

First-aid measures after eye contact : Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

First-aid measures after ingestion : If victim is conscious and alert, give 2-4 cups of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

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

Symptoms/injuries after inhalation : Dust can cause irritation to the respiratory tract mucus membrane, sneezing and coughing.

Soluble Humic Acid

Safety Data Sheet

Symptoms/injuries after skin contact	: Brief contact with the skin is not toxic. Repeated or prolonged contact will dehydrate skin.
Symptoms/injuries after eye contact	: Will irritate on contact, wash out quickly.
Symptoms/injuries after ingestion	: Can cause upper GI tract disturbance.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water, CO2, fire-extinguishing foam.
Unsuitable extinguishing media	: None.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Non-combustible.
Explosion hazard	: None known.

5.3. Advice for firefighters

Protection during firefighting	: Firefighters should wear full protective gear.
--------------------------------	--

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available.

6.1.2. For emergency responders

No additional information available.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Stop the flow of material, if this is without risk.
Methods for cleaning up	: Avoid creating dust when cleaning up. Scoop, shovel or sweep to labeled containers for recycling/salvage if not contaminated by other material. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Dispose of product in accordance with local and national regulation.

6.4. Reference to other sections

No additional information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid inhaling dust. Avoid contact with eyes, skin and clothing. If dusting occurs use approved respirator to eliminate exposure.
-------------------------------	---

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Storage area should be cool and dry, out of direct sunlight.
--------------------	--

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available.

8.2. Exposure controls

Appropriate engineering controls	: Exhaust fan recommended in controlling any dusting.
Hand protection	: Wear appropriate protective gloves to prevent skin exposure.
Eye protection	: Splash goggles recommended where dusting is expected.
Skin and body protection	: Wear suitable working clothes.

Soluble Humic Acid

Safety Data Sheet

Respiratory protection : If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Powder, granule or flakes
Color : Black
Odor : Not distinctive
Odor threshold : No data available
pH : 9-11
Melting point : > 3000 C
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : No data available
Vapor pressure : No data available
Relative vapor density at 20 °C : No data available
Relative density : No data available
Specific gravity / density : 0.47
Solubility : Completely soluble
Log Pow : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosion limits : No data available
Explosive properties : No data available
Oxidizing properties : No data available

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

Dust generation.

10.5. Incompatible materials

Contact w/ strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide.

Soluble Humic Acid

Safety Data Sheet

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available.

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available.

15.2. US State regulations

No additional information available.

SECTION 16: Other information

We do not accept liability for loss, injury, or damage which may result from misuse. Data is solely for guidance purposes of safe handling and uses. We encourage users to conduct their own testing best suited for their purposes under their conditions.