

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 03/07/2016 Version: 1.1

**SECTION 1: Identification** 

1.1. Identification

Product form : Mixture

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

No additional information available

1.3. Details of the supplier of the safety data sheet

Alltech Crop Science 3031 Catnip Hill Road Nicholasville, 40356 - USA T 859-885-9613 - F 859-887-6736 RegulatoryACS@alltech.com

1.4. Emergency telephone number

Emergency number : 1-800-424-9300

## **SECTION 2: Hazard(s) identification**

2.1. Classification of the substance or mixture

**GHS-US** classification

#### 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)

- 30 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
- 30 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
- 30 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

## **SECTION 3: Composition/Information on ingredients**

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
LACTOBACILLUS EXTRACT FILTRATE		50 - 80	Not classified
YUCCA SCHIDIGERA STEM EXTRACT	(CAS No) 223749-05-1	20 - 50	Not classified
SACCHAROMYCES CEREVISIAE EXTRACT	(CAS No) 84604-16-0	2.5 - 5	Not classified
Copper Sulfate	(CAS No) 7758-99-8	1 - 2.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-phrases: see section 16

## **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

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

No additional information available

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

Treat symptomatically.

04/13/2016 EN (English US) Page 1

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

## **SECTION 6: Accidental release measures**

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8 Exposure controls/personal protection" ".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection"".

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

### LACTOBACILLUS EXTRACT FILTRATE

Not applicable

### YUCCA SCHIDIGERA STEM EXTRACT (223749-05-1)

Not applicable

## **SACCHAROMYCES CEREVISIAE EXTRACT (84604-16-0)**

Not applicable

## Copper Sulfate (7758-99-8)

Not applicable

#### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection : Protective gloves. Eye protection : Safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls : Avoid release to the environment.

04/13/2016 EN (English US) 2/5

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

Color : Mixture contains one or more component(s) which have the following colour(s):

Blue

Odor : There may be no odour warning properties, odour is subjective and inadequate to warn of

overexposure.

Mixture contains one or more component(s) which have the following odour(s):

Odourless

Odor threshold : No data available Ha No data available Melting point Not applicable Freezing point : No data available : No data available **Boiling point** : No data available Flash point Relative evaporation rate (butyl acetate=1) No data available Flammability (solid, gas) : No data available : No data available **Explosion limits** Explosive properties : No data available Oxidizing properties : No data available Vapor pressure No data available Relative density No data available Relative vapor density at 20 °C : No data available

Solubility : Water: Solubility in water of component(s) of the mixture :

: 23 g/100ml
: No data available
: No data available
: No data available
: No data available

Viscosity : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

## 9.2. Other information

Auto-ignition temperature

Decomposition temperature

No additional information available

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Log Pow

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

## 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

## 10.6. Hazardous decomposition products

No additional information available

## **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

04/13/2016 EN (English US) 3/5

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

LACTOBACILLUS EXTRACT FILTRATE	
LD50 oral rat	> 5000 ml/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (ppm)	2.05 ppm

Copper Sulfate (7758-99-8)	
LD50 oral rat	300 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 482 mg/kg bodyweight; Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Literature study; OECD 402: Acute Dermal Toxicity)
ATE US (oral)	500.000 mg/kg body weight

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

LACTOBACILLUS EXTRACT FILTRATE	
IARC group	4 - Probably Not Carcinogenic
YUCCA SCHIDIGERA STEM EXTRACT (223749-05-1)	
IARC group 4 - Probably Not Carcinogenic	

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

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Copper Sulfate (7758-99-8)	
Threshold limit algae 2	0.368 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Read-across)

## 12.2. Persistence and degradability

Copper Sulfate (7758-99-8)		
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.	
Biochemical oxygen demand (BOD)	Not applicable	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	

## 12.3. Bioaccumulative potential

Copper Sulfate (7758-99-8)	
Bioaccumulative potential	Bioaccumable.

## 12.4. Mobility in soil

Copper Sulfate (7758-99-8)	
Ecology - soil	Toxic to flora.

### 12.5. Other adverse effects

04/13/2016 EN (English US) 4/5

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Effect on the global warming

: No known ecological damage caused by this product.

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

No additional information available

## **SECTION 14: Transport information**

## **Department of Transportation (DOT)**

In accordance with DOT

Not regulated for transport

#### **TDG**

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

## **SECTION 15: Regulatory information**

## 15.1. US Federal regulations

## LACTOBACILLUS EXTRACT FILTRATE

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

## YUCCA SCHIDIGERA STEM EXTRACT (223749-05-1)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

#### **SACCHAROMYCES CEREVISIAE EXTRACT (84604-16-0)**

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### **Copper Sulfate (7758-99-8)**

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

#### **CANADA**

No additional information available

## **EU-Regulations**

No additional information available

#### **National regulations**

No additional information available

#### 15.3. US State regulations

No additional information available

## **SECTION 16: Other information**

## Full text of H-phrases:

a or reprincedo.	
H302	Harmful if swallowed
H315	Causes skin irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

04/13/2016 EN (English US) 5/5