

## MATERIAL SAFETY DATA SHEET

Product name:	Link-Soil
Product Description:	Soil Conditioner
1. COMPOSITION/INFORMATION ON INGREDIENTS	

. All ingredients in the formula are non-hazardous, unless specified in Sections 3 . This product is to be considered as a substance in conformance to EC directives.

Chemical Name	CAS no	Percent
Citric Acid	77-92-9	31%

## 2. HAZARDOUS IDENTIFICATION

Not classified as hazardous conform EEC Dangerous Substance Directive and Dangerous Preparation Directive.

## HMIS Hazard Ratings for Product

Health:	0	0 = Minimal	3 = Serious
Flammability:	0	1 = Slight	4 = Severe
Reactivity:	0	2 = Moderate	* = Chronic effects
Personal Protection:	See Section 8		

Caution: May cause skin irritation; may cause eye irritation; Inhalation of mist or aerosol particulates may cause respiratory tract irritation; Surface subject to spills may become slippery.

## 3. FIRST AID MEASURES

Eye Contact:	Flush eyes with large amounts of water until irritation subside. Consult a physician if irritation persists.
Skin Contact:	Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.
Inhalation:	Move subject to fresh air. Get medical attention if nasal, throat, or lung irritation develops
Ingestion:	Rinse mouth. Give water to drink.
Advice to physician	No additional information available

#### 4. FIRE FIGHTING MEASURES

Extinguisher media: Water spray, CO<sub>2</sub>, Dry Chemical, Foam – Use extinguishing media appropriate for containing fire.

Conditions to avoid: None known

Hazardous Combustion products: This material is not expected to support combustion. If heated to decomposition, the following substances may be formed: carbon dioxide, carbon monoxide, paraffin wax fumes, smoke, aldehydes and carboxylic acids.

#### 5. ACCIDENTAL RELEASE MEASURES

Personal precautions: For personal protection see Section 8.

Spill of Leak Procedures: Collect as much as possible in a clean container for reuse or disposal.

For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

#### 6. HANDLING AND STORAGE

Storage Temperature: Store in a cool, dry, well ventilated place.

Handling/Storage: Protect from freezing; keep container sealed when not in use.

Ventilation requirements: General

Other information: Keep container tightly closed and dry when not in use.

#### 7. EXPOSURE CONTROL AND PERSON PROTECTION

Conditions under which Personal

Protective Equipment required: Normal work conditions, maintenance/repair

Eye protection requirements: Wear eye/face protection.

Glove requirements: Gloves are normally required for foreseeable conditions of use.

Clothing requirements: Protective clothing is normally not necessary for foreseeable conditions of use.

Change/Removal of clothing: None required.

Wash Requirements:	None
Respiratory Requirements	None required under normal handling conditions.
Ventilation Requirements:	General.

## 8. PHYSICAL AND CHEMICAL PROPERTIES

Pure material and mixture:	Mixture
Appearance / Physical Description:	Brown with mild vinegar odour
pH:	2.5-3
Boiling Point:	100°C
Melting / Freezing Point	0°C
Solubility in water	1000 g/l (20°C) or 1200 g/l (80°C)
Bulk Density:	1.2-1.28
Evaporation Rate (water=1)	1
Vapour pressure	Not relevant
Vapour Density (Air=1)	Not relevant
Volatile Organic Compound	Not relevant
Auto Ignition Temperature	Not relevant
Flash Point	Not relevant
Oxidizing Properties	Not relevant

## 9. STABILITY AND REACTIVITY

Stability:	Stable under recommended handling and storage conditions.
Incompatibilities:	None known
Hazardous decomposition products:	Nitrous gases may be produced.
Hazardous Polymerization:	Not anticipated under normal use.

## 10. TOXICOLOGICAL INFORMATION

### Short – term effects of exposure

#### Route of Entry

Acute effects – Eye:	Slight, transient
Acute effects – Skin Contact:	No hazard in normal industrial use.
Acute effects – Inhalation:	No hazard in normal industrial use.

Acute effects – Ingestion: No hazard in normal industrial use.

**Long-term effects of exposure**

Effect of chronic exposure: This product should be considered non-hazardous and has no known chronic effects.

Target Organs Not applicable

Carcinogenicity None

**11. ECOLOGICAL INFORMATION**

No ecological studies have been carried out with this product.

**12. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method**

Disposal method is in accordance with applicable regulations. When the drum is empty, rinse it with plenty of water before discarding. Waste disposal should be in accordance with existing Federal, State, and Local environmental regulations.

**13. TRANSPORT INFORMATION**

**U.S. Department of Transport Information**

DOT Shipping Name: None

DOT Hazard Class: Non-hazardous

DOT Reportable Quantity: None

**United Nations Information**

U.N. Number None

U.N. Class None

**14. REGULATORY INFORMATION**

TSCA: All components are on the TSCA Inventory

FDA: 21CFR175.105

SARA/Title III: This product contains no substance at or above the reported threshold under Section 313, based on available data.

15. OTHER INFORMATION
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Table of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
MSHA	Mine Safety and Health Administration
DOT	Department of Transport
EPA	Environmental Protection Agency
FDA	Food and Drug Administration
MSDS	Material Safety Data Sheet
NIOSH	National Institute for Occupational Safety and Health
SARA	Superfund Amendment and Reauthorization Act
TSCA	Toxic Substance Control Act
UN	United Nation
WHMIS	Workplace Hazardous Materials Information System

Disclaimer

The information given and the recommendations made herein apply to our product(s) alone and not combined with any other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the products are suitable for their purposes.