

Page: 1 Printed: 05/11/2018

Revision: 02/19/2018

Supersedes Revision: 01/03/2018

1. Product and Company Identification

Product Code: 903767

AMPXC Liquid Concentrate Product Name:

Company Name: Turf Care Supply Corp. **Phone Number:** 1 (330)558-0910

50 Pearl Road

Suite 200

Brunswick, OH 44212

Web site address: www.turfcaresupply.com regaffairs@tcscusa.com

Email address: PERS

1 (800)633-8253 **Emergency Contact:** 1 (330)558-0910 Information: Turf Care Supply Corp.

2. Hazards Identification

GHS Signal Word: None

GHS Hazard Phrases: No phrases apply. **GHS Precaution Phrases:** No phrases apply. **GHS Response Phrases:** No phrases apply. No phrases apply. GHS Storage and Disposal

Phrases:

Potential Health Effects

(Acute and Chronic):

None.

No hazard expected in normal industrial use. May cause respiratory tract irritation. Inhalation:

Skin Contact: May cause skin irritation. Eye Contact: May cause eye irritation.

No hazard expected in normal industrial use. May cause irritation of the digestive tract. Ingestion:

3. Composition/Information on Ingredients

Concentration CAS# **Hazardous Components (Chemical Name)**

68514-28-3 Humic acids, potassium salts 7.00 % 9014-01-1 Bacillus licheniformis <1.00 %

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by

inhalation. Remove from exposure and move to fresh air immediately. If breathing is

difficult, give oxygen. Get medical aid if cough or other symptoms appear.

No specific treatment is necessary, since this material is not likely to be hazardous. In Case of Skin Contact:

Flush skin with plenty of water for at least 15 minutes while removing contaminated

clothing and shoes. Get medical aid if irritation develops or persists.

In Case of Eye Contact: No specific treatment is necessary, since this material is not likely to be hazardous.

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and

lower eyelids. Get medical aid.

In Case of Ingestion: No specific treatment is necessary, since this material is expected to be non-hazardous.

Do NOT induce vomiting.

Treat symptomatically and supportively. Note to Physician:



Page: 2 Printed: 05/11/2018

Revision: 02/19/2018

Supersedes Revision: 01/03/2018

5. Fire Fighting Measures

Flash Pt: NP Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NP

Suitable Extinguishing Media: Not available. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand,

MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

Flammable Properties and

Hazards:

No data available.

Hazardous Combustion No data available.

Products:

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or

Spilled:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical

enter the environment.

7. Handling and Storage

Precautions To Be Taken in

Handling:

No special handling procedures are required. Do not let this chemical enter the

environment. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.

Avoid ingestion and inhalation.

Precautions To Be Taken in

Storing:

No special storage requirements. Store in a cool, dry place.

8. Exposure Controls/Personal Protection

CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68514-28-3	Humic acids, potassium salts	No data.	No data.	No data.
9014-01-1	Bacillus licheniformis	No data.	CEIL: 0.00006 mg/m3	No data.

Respiratory Equipment

(Specify Type):

Respirator protection is not normally required. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard

EN 149 must be followed whenever workplace conditions warrant respirator use.

Eye Protection: Eye protection is not normally required. Wear appropriate protective eyeglasses or

chemical safety goggles as described by OSHA's eye and face protection regulations in

29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Protective garments not normally required. Wear appropriate protective gloves to prevent

skin exposure.

Other Protective Clothing: Protective garments not normally required. Wear appropriate protective clothing to

prevent skin exposure.

Engineering Controls

(Ventilation etc.):

There are no special ventilation requirements. Facilities storing or utilizing this material

should be equipped with an eyewash facility and a safety shower. Use adequate

ventilation to keep airborne concentrations low.



Reactions:

Conditions To Avoid - Hazardous Reactions:

SAFETY DATA SHEET AMPXC Liquid Concentrate

Page: 3
Printed: 05/11/2018
Revision: 02/19/2018

Supersedes Revision: 01/03/2018

		Supersedes Revision. 01/03/2016	
	9. Physical and Chemical Properties		
Physical States:	[] Gas [X] Liquid [] Solid		
Appearance and Odor:	Liquid.		
	No apparent odor.		
pH:	~ 8.34		
Melting Point:	NA - 228 C		
Boiling Point:	100 C		
Flash Pt:	NP Method Used: Estimate		
Evaporation Rate:	No data.		
Flammability (solid, gas):	No data available.		
Explosive Limits:	LEL: No data. UEL: No data.		
Vapor Pressure (vs. Air or	No data.		
mm Hg):			
Vapor Density (vs. Air = 1):	No data.		
Specific Gravity (Water = 1):	~ 1.000		
Bulk density:	~ 9.2 LB/GA		
Solubility in Water:	No data.		
Octanol/Water Partition	No data.		
Coefficient:			
Autoignition Pt:	NP		
Decomposition Temperature:			
Viscosity:	No data.		
	10. Stability and Reactivity		
Stability:	Unstable [] Stable [X]		
Conditions To Avoid -	ditions To Avoid - Incompatible materials, dust generation.		
Instability:			
Incompatibility - Materials To Avoid:	ompatibility - Materials To None. Strong oxidizing agents. oid:		
Hazardous Decomposition or Byproducts:	None. Carbon monoxide.		
Possibility of Hazardous	Will occur [] Will not occur [X]		

No data available.



Page: 4
Printed: 05/11/2018
Revision: 02/19/2018

Supersedes Revision: 01/03/2018

11. Toxicological Information

Toxicological Information: Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies: Tumorigenic effects

have been reported in experimental animals. Teratogenicity: No information available.

Adverse reproductive effects have occurred in experimental animals.

No information available.

Carcinogenicity/Other

CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Information:

l	CAS#	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
	68514-28-3	Humic acids, potassium salts	n.a.	n.a.	n.a.	n.a.
l	9014-01-1	Bacillus licheniformis	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Environmental: No information available.

Information: Physical: No information available.

Other: Do not empty into drains.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified

as a hazardous waste. US EPA guidelines for the classification determination are listed

[] Yes [X] No Acute toxicity (any route of exposure)

in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed. RCRA U-Series: None listed.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material. Not Regulated.

DOT Hazard Class: UN/NA Number:

[] Yes [X] No Explosive

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: No information available. Not Regulated.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS#	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
68514-28-3	Humic acids, potassium salts	No	No	No

9014-01-1 Bacillus licheniformis No No No No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[] Yes [X] No	Flammable (gases, aerosols, liquid, or solid)	[] Yes [X] No	Skin Corrosion or Irritation
[] Yes [X] No	Oxidizer (liquid, solid or gas)	[] Yes [X] No	Serious eye damage or eye irritation
[] Yes [X] No	Self-reactive	[] Yes [X] No	Respiratory or Skin Sensitization
[] Yes [X] No	Pyrophoric (liquid or solid)	[] Yes [X] No	Germ cell mutagenicity
[] Yes [X] No	Pyrophoric gas	[] Yes [X] No	Carcinogenicity
[] Yes [X] No	Self-heating	[] Yes [X] No	Reproductive toxicity
[1 \	One of a second de	[1 \ / [\ /] N -	0

[] Yes [X] No Organic peroxide [] Yes [X] No Specific target organ toxicity (single or repeated exposure)

[] Yes [X] NoCorrosive to metal[] Yes [X] NoAspiration Hazard[] Yes [X] NoGas under pressure (compressed gas)[] Yes [X] NoSimple Asphyxiant



Page: 5
Printed: 05/11/2018
Revision: 02/19/2018

Supersedes Revision: 01/03/2018

[] Yes [X] No In contact with water emits flammable gas [] Yes [X] No (Health) Hazard Not Otherwise Classified (HNOC)

[] Yes [X] No Combustible Dust

[] Yes [X] No (Physical) Hazard Not Otherwise Classified (HNOC)

CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists

68514-28-3 Humic acids, potassium salts CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -

Inventory; CA PROP.65: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No

9014-01-1 Bacillus licheniformis CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -

Inventory; CA PROP.65: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No

16. Other Information

Revision Date: 02/19/2018

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and Turf Care Supply Corp. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purposes.