

Safety Data Sheet

1. IDENTIFICATION

Product Identifier

Product Name Turf2Max
Specification No. ST- 639-2
Pure substance/mixture Mixture

Other Means of identification

Product Code NA-294 200

Recommended use of this chemical and restrictions on use

Recommended Use Soil Aeration
Uses advised against None known

Details of the supplier of the safety data sheet

Supplier Address Soil Technologies Inc.
 19465 East 131 Street, Broken Arrow, Oklahoma 74014, USA--1-918-449-1175

Emergency telephone number-----USA—1-918-449-1175

2. Hazards Identification

Classification

OSHA Regulatory Status-- the Chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Emergency Overview

Hazard statements-----None

Precautionary Statements-Prevention-----None

Precautionary Statements-Response-----None

Precautionary Statements-Storage-----None

None

Precautionary Statements – Disposal-----None

Hazards not otherwise classified (HNOC)-----Not applicable

Other Information -----None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	Case No.	Weight-%	Trade Secret
Polymaleic anhydride terpolymer	26099-09-02	31.72	*
Maleic anhydride sulfonated copolymer	108-31-6	20.81	*
Inert Ingredients	Not available	47.47	*

4. FIRST AID MEASURES

Description of first aid measures

Eye contact-----It is unlikely that emergency treatment will be required. If adverse effects occur, rinse immediately with plenty of water. If irritation persists, seek medical advice/attention.

Skin contact-----In case of skin contact irritation or allergic reactions see a physician.

Inhalation-----It is unlikely that emergency treatment will be required. If adverse effects occur, remove to uncontaminated area, if discomfort persists, see a physician.

Ingestion-----Not and expected route of exposure, if swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Most Important symptoms and effects, both acute and delayed

Symptoms-----No information available

Indication of any immediate medical attention and special treatment needed

Note to physicians-----Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Using extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media---None known

Specific hazards arising from the chemical

None known

Explosion data

Sensitivity to Mechanical impact----None

Sensitivity to Static Discharge-----None

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Personal precaution-----No special precautions are needed in handling this material: See section 8

Environmental precautions

Environmental precautions -----None known

Methods and material for containment and cleaning up

Methods for cleaning up-----Wipe up with absorbent material (eg, cloth, fleece) Collect spillage.

7. HANDLING AND STORAGE

Precaution for safe handling

Advice on safe handling----- No special precautions are needed in handling this material: See section 8

Conditions for safe storage, Including any Incompatibilities

Storage Conditions -----Store in accordance with, Product packaging.

Incompatible materials -----None known based on information supplied

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

Exposures Guidelines

ACGIH TLV: American Conference of Governmental Industrial Hygienist-Threshold Limit Value

OSHA PEL: Occupational Safety and Health Administration-Permissible Exposure Limits.

NIOSH IDLH: Immediately Dangerous to Life or Health

Appropriate engineering controls

Engineering Controls-----None

Individual protection measures, such as personal protective equipment

Eye/face protection-----None

Skin and body protection-----None

Respiratory protection-----None

General Hygiene Considerations---Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State-----Liquid

Appearance-----Liquid

Color-----Light Yellow

Property -----Values

pH	4.8--5.8
Melting point/ Freezing point	No Information Available
Boiling Point/ Boiling range	No Information Available
Flash point	No Information Available
Evaporation rate	No Information Available
Flammability (solid, gas)	No Information Available

Flammability Limit in air

Upper Flammability Limit	No Information Available
Lower Flammability Limit	No Information Available
Vapor pressure	No Information Available
Vapor density	No Information Available
Relative density	No Information Available
Water solubility	Yes
Solubility in other products	No Information Available
Partition coefficient	No Information Available
Auto ignition Temperature	No Information Available
Decomposition Temperature	No Information Available
Kinematic viscosity	No Information Available
Dynamic viscosity	No Information Available
Explosive properties	No Information Available
<u>Other Information</u>	
<u>Softening point</u>	No Information Available
Molecular weight	98.05688
VOC Content (%)	No Information Available
Density	No Information Available
Bulk density	No Information Available

10. STABILITY AND REACTIVITY

Reactivity

None under normal conditions

Chemical stability

Stable under recommended storage conditions

Possibility of Hazardous Reactions

Hazardous polymerization None under normal processing

Conditions to avoid

None under normal processing

Hazardous Decomposition Product

None under normal use condition

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	No known effect
Eye contact	No known effect
Skin contact	No known effect
Ingestion	No known effect

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No known effect
Serious eye damage/eye irritation	No known effect
Irritation	No known effect
Corrosivity	No known effect
Sensitization	No known effect
Germ Cell mutagenicity	No known effect
Carcinogenicity	No known effect

Numerical measures of toxicity

Reproductive toxicity	No known effect
Developmental toxicity	No known effect
Teratogenicity	No known effect
STOT- single exposure	No known effect
STOT- repeated exposure	No known effect
Chronic toxicity	No known effect
Target Organ effects	No known effect
Neurological effects	No known effect

Other adverse effects No known effect

Aspiration hazard No known effect

***This product has been evaluated against the applicable toxicological health hazards and no adverse health effects are expected from the use of this finished product.**

12.ECOLOGICAL INFORMATION

Eco toxicity

Available upon request

Persistence and degradability

Available upon request

Bioaccumulation

Available upon request

Mobility

Availability upon request

Other adverse effects

Available upon request

13.DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

14.TRANSPORT INFORMATION

DOT

14.1 UN/ID no. Not regulated

14.2 Proper shipping name Not regulated

14.3 Hazard class Not regulated

14.4 Packing Group Not regulated

14.5 Special Provisions Not regulated

TDG

14.1 UN/ID no.	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Special Provisions	Not regulated

IMDG

14.1 UN/ID no.	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine Pollutant	Not applicable
14.6 Special Provisions	None
14.7 Transport in bulk according to	No information available

Annex II MARPOL 73/78 and the IBC

Code

ICAO TI IATA

14.1 UN/ID no.	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

15. REGULATORY INFORMATION

International Inventories

TSCA	Not listed
DSL/NDSL	Not listed

EINECS/ELINCS	Not listed
ENCS	Not listed
IECSC	Not listed
KECL	Not listed
PICCS	Not listed
AICS	Not listed

Legend:

TSCA- United States Toxic Substances Control Act section 8(b) Inventory

DSL/NDSL- Canadian Domestic Substances List/Non Domestic Substances List

EINECS/ELINCS- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS- Japan Existing and New Chemical Substances

IECSC- China inventory of Existing Chemical Substances

KECL- Korean existing and Evaluated Chemical Substances

PICCS- Philippines Inventory of Chemical Substances

AICS- Australian Inventory of Chemical Substances

US FEDERAL REGULATIONS

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

SDS-Code: NA-294 200

CWA (Clean Water Act)

This product contains no substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Right-to-know

Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Issue Date 01-Jul-2015

Preparation Date: 01-Jul-2015

Disclaimer

The information and recommendations contained herein are based upon tests believed to be reliable. However, Soil Restoration Technologies does not guarantee their accuracy or completeness nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of the goods, the merchantability of the good, or the fitness of the goods for a particular purpose. Adjustments to conform to actual conditions of usage may be required. Soil Restoration Technologies assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

End of Safety Data Sheet