Safety Data Sheet

Issuing Date No data available Revision Date June-8-2018 Revision Number 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name 5-Year Pothole Patch Highway Grade Concrete

Recommended Use Vertical wall concrete potholes

Supplier Address

TechniSoil Global, Inc. 5660 Westside Road Redding, CA 96001 USA Phone: 877-356-2250 Fax: 866-356-8880

Email: Info@TechniSoil.com

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

Irritating to eyes Irritating to skin

May produce an allergic reaction

Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

Appearance Dark Physical State Viscous liquid, Liquid. Odor Musty

Potential Health Effects

Principle Routes of Exposure Eye contact. Skin contact. Inhalation.

Acute Toxicity

Eves Irritating to eves.

Skin Irritating to skin. Will bond to skin May cause sensitization by skin contact. Repeated or

prolonged skin contact may cause allergic reactions with susceptible persons.

Inhalation No known effect based on information supplied.

Ingestion No hazard from product as supplied. Ingestion may cause gastrointestinal irritation, nausea,

vomiting and diarrhea.

Chronic Effects Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible

persons.

Aggravated Medical

Conditions

Interactions with Other Chemicals Irritants. Sensitizers. Epoxies. Use of alcoholic beverages may enhance toxic effects.

Environmental Hazard See Section 12 for additional Ecological Information.

Chemical Name

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No

	Offermed Name		•
ſ	Aggregate Blend	Proprietary	100
	Liquid Binding Agent	Proprietary	60-100
	Liquid Binding Agent	Proprietary	30-60
	Liquid Binding Agent	Proprietary	1 - 5
Ī	Liquid Binding Agent	Proprietary	1 - 5

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. If symptoms persist, call a physician.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician

Weight %

immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. Do not remove clothing if adhering to skin. If skin has bonded to clothing or other skin NEVER pull the area apart. Allow acetone or warm water to penetrate the bond and gently attempt to move bonded areas without pulling the skin away from bonded area. Immediate

medical attention is required.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never

give anything by mouth to an unconscious person. Consult a physician if necessary

Notes to Physician Treat symptomatically. May cause sensitization of susceptible persons.

Protection of First-aiders Use personal protective equipment. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable.

Flash Point Not determined.

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Uniform Fire Code • Toxic: Liquid

Sensitizer: Liquid

Hazardous Combustion Products Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Specific Hazards Arising from the Chemical Thermal decomposition can lead to release of irritating gases and

vapors. In the event of fire and/or explosion do not breathe fumes.

May cause sensitization by inhalation and skin contact.

Sensitivity to Static Discharge No.

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.

NFPA Health Hazard 2 Flammability 0 Stability 0 Physical and Chemical Hazards -

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Keep people away from and upwind of spill/leak. Evacuate

personnel to safe areas.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do

not flush into surface water or sanitary sewer system.

Methods for Containment Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp

to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods for Cleaning Up

Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Pick up

and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and

wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product. Use only in area provided with appropriate exhaust

ventilation.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of

children. Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Liquid Binding Agent	TWA: 0.005 ppm	(vacated) S* (vacated) Ceiling: 0.01 ppm (vacated) Ceiling: 0.11 mg/m³	Ceiling: 0.01 ppm Ceiling: 0.11 mg/m³
Liquid Binding Agent	STEL: 0.2 mg/m³ Sn TWA: 0.1 mg/m³ Sn S*	TWA: 0.1 mg/m³ Sn (vacated) TWA: 0.1 mg/m³ Sn (vacated) S*	IDLH: 25 mg/m³ Sn TWA: 0.1 mg/m³ except Cyhexatin Sn

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

Engineering Measures Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection Respiratory Protection Tightly fitting safety goggles. Safety glasses with side-shields. Face-shield.

Protective gloves.

No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and

clothing. Avoid contact with skin, eyes and clothing. Wash hands before breaks and

immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Dark Musty **Appearance** Odor

Odor Threshold No information available **Physical State** Viscous liquid Liquid

На UNKNOWN

No information available. **Flash Point** No information available **Autoignition Temperature**

Decomposition Temperature

Melting Point/Range

No information available No information available **Boiling Point/Range**

No information available

Flammability Limits in Air No information available **Explosion Limits** No information available

Water Solubility No information available Reacts with water Solubility

Evaporation Rate No information available Vapor Pressure

Vapor Density No data available Partition Coefficient: n-

octanol/water

No data available

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions.

Incompatible Products None known. **Conditions to Avoid** None known. **Hazardous Decomposition**

Products

Carbon oxides.

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral VALUE 2802.631 mg/kg (rat) estimated

LC50 Inhalation (DUST) VALUE 4.5684 mg/L (mist) (dust) mg/m3 estimated

Eye Contact Irritating to eyes.

Skin Contact Irritating to skin.

Chronic Toxicity

Chronic Toxicity Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible

persons.

Target Organ Effects Eyes. Respiratory system. Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

ı	Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
	Liquid Binding Agent		LC50: 1.2-2.76 mg/L (96 h)		
			Brachydanio rerio		
			LC50: 1.2 mg/L (96 h static)		
			Brachydanio rerio		
	Liquid Binding Agent		LC50: 2 mg/L (48 h) Oryzias	EC50 = 0.576 mg/L 30 min	
			latipes	_	

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR

261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local

regulations for additional requirements.

Contaminated Packaging Dispose of in accordance with local regulations.

California Hazardous Waste Codes 281

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California EHW	California Carc	California Hazardous Waste	California Waste - Part 2
Liquid Binding Agent			Toxic	

14. TRANSPORT INFORMATION

DOT NOT REGULATED

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL Not determined

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Liquid Binding Agent		30-60	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Liquid Binding Agent	Х	X	Х		Х

International Regulations

Mexico - Grade Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Liquid Binding Agent		Mexico: TWA 0.01 ppm
		Mexico: TWA 0.11 mg/m ³
Liquid Binding Agent		Mexico: TWA 0.1 mg/m ³
		Mexico: STEL 0.2 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials



Chemical Name	NPRI
Liquid Binding Agent	Х

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Revision Date 20-Sep-2016

Revision Note No information available

General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet