TekTrench Component A

Safety Data Sheet

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

Revision Date: 07/23/2018 Date of Issue: 07/23/2018 Supersedes SDS Date: 02/28/2018 Version 4.0

Revision Impetus: Changed Component A to Component B and Component B to Component A to be aligned with global.

SECTION 1: IDENTIFICATION

Product Identifier

Product Name: TekTrench

Synonyms: One component of a two component reaction resin to form a urea-silicate grout.

Intended Use of the Product

Urea-silicate grout

Name, Address, and Telephone of the Responsible Party

USA:

Minova USA Inc.
150 Summer Court
Georgetown, KY 40324
T 502-863-6800
For SDS Requests:
Call 1-855-266-7422 or email sds.na@orica.com
www.minovaglobal.com

Canada:

Minova
576 Arvin Avenue
Stoney Creek, ON - Canada L8E 5P1
T 905-643-1166

Emergency Telephone Number

Emergency number : For chemical emergencies (24 hour) involving transportation, spill, leak, release, fire or accidents **IN THE U.S. or CANADA call: CHEMTREC 1-800-424-9300, Minova CCN 14730.**

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Skin Irrit. 2 H315
Skin. Sens. 1 H317
Eye Irrit. 2A H319
Resp. Sens. 1 H334
STOT SE 3 H335
STOT RE 2 H373

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

GHS07 GHS08

Signal Word (GHS-US) : Warning

Hazard Statements (GHS-US) :
H315 – Causes skin irritation.
H317 – May cause an allergic skin reaction.
H319 – Causes serious eye irritation.
H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 – May cause respiratory irritation.
H373 – May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements (GHS-US) :
P261 – Avoid breathing mist/vapors/spray.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P284 – In case of inadequate ventilation wear respiratory protection.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/soap/shower.
P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P342+P311 – If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

Classifiation System :

· ***Classification system:***
· ***NFPA ratings (scale 0 - 4)***

Health = 1
Fire = 1
Reactivity = 0

Other Hazards: Results of PBT and vPvB assessment, PBT: Not applicable, vPvB: Not applicable.
Other Hazards Not Contributing to the Classification: None
Unknown Acute Toxicity (GHS-US): Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Diphenylmethanediisocyanate, isomers, and homologues	(CAS No) 9016-87-9	50-100%	Refer to Section 2. Classification of the Substance or Mixture.
Tris(2-chlorisopropyl)-phosphate	(CAS No) 13674-84-5	2.5 – 10%	Refer to Section 2.
Triethylphosphate	(CAS No) 78-40-0	2.5 – 10%	Refer to Section 2.

A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition. Full text of H-phrases: see section 16.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
Inhalation: When symptoms occur: go into open air and ventilate suspected area. Keep at rest and in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin Contact: Remove contaminated clothing. Rinse off affected area with water and soap. Obtain medical attention if irritation develops or persists.
Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a doctor/physician.
Ingestion: Rinse mouth. Do not induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head positioned between legs to avoid breathing in of vomit, rinse mouth and have victim drink plenty of water. Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects Both Acute and Delayed

General: Irritation can be serious. May cause allergic skin reaction and allergic respiratory reaction with asthma like symptoms and difficulty breathing.
Inhalation: Causes irritation to the respiratory tract. May cause allergy like asthma symptoms or breathing difficulties if inhaled.
Skin Contact: Causes skin irritation. May cause an allergic skin reaction.
Eye Contact: Causes serious eye irritation.
Ingestion: Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms: Repeated and prolonged inhalation may damage lungs.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.
Information for doctor: Symptomatic treatment, no special antidote known. For pulmonary oedema prophylaxis: dexamethasone aerosol.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry extinguishing agents, carbon dioxide, water sprays.
Unsuitable Extinguishing Media: None.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not a flammable liquid, but will burn if in fire.
Explosion Hazard: Product is not explosive.
Reactivity: One component of a two component reaction resin to form a urea-silicate grout.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Use water spray or fog for cooling exposed containers.
Protection During Firefighting: Firefighters should wear full protective gear.
Hazardous Combustion Products: Carbon monoxide, carbon dioxide, nitrogen oxide, hydrocyanic acid, diphenylmethane-4, 4'-diisocyante.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes or on skin. As in all spills, minimize material from entering water systems.

For Non-Emergency Personnel

Protective Equipment: Use appropriate Personal Protection Equipment (PPE).
Emergency Procedures: Evacuate danger area.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: In the event of a spill or leak of material apply absorbant and scoop up material. As in all spills, minimize material from entering water systems.

Environmental Precautions

Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment: Absorb with liquid-binding material such as sand, diatomite, sawdust, universal absorbants.
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Good housekeeping is needed during storage, transfer, handling, and use of this material. Never add material to this product unless instructed by Minova.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool place.
Incompatible Materials: Material is alkaline so avoid acids.

Specific End Use(s)

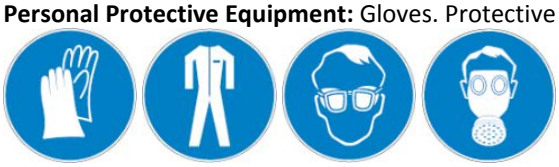
Chemical grout.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.
Personal Protective Equipment: Gloves. Protective clothing. Safety glasses. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.
Hand Protection: Wear chemically resistant protective gloves (nitrile rubber, NGR or fluorocarbon rubber, Viton).

Eye Protection: Safety glasses or chemical goggles as appropriate to prevent eye contact.
Skin and Body Protection: Wear suitable protective clothing.
Respiratory Protection: Use a NIOSH-approved respirator "dust mask" in dusty conditions or whenever exposure may exceed established Occupational Exposure Limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	:	Liquid
Appearance	:	Clear brown liquid
Odor	:	Musty
Odor Threshold	:	Not applicable
pH	:	Not applicable
Relative Evaporation Rate (butyl acetate=1)	:	Not applicable
Melting Point	:	Not applicable
Freezing Point	:	Not applicable
Boiling Point	:	Not applicable
Flash Point	:	>170°C (>338°F)
Auto-ignition Temperature	:	Not applicable
Decomposition Temperature	:	Not applicable
Flammability (solid, gas)	:	Not applicable
Lower Flammable Limit	:	Not applicable
Upper Flammable Limit	:	Not applicable
Vapor Pressure	:	Not applicable
Relative Vapor Density at 20 °C	:	Not applicable
Relative Density	:	1.2 g/cm3 (10.0 lbs/gal)
Specific Gravity	:	Not applicable
Solubility	:	Not miscible
Partition coefficient: n-octanol/water	:	Not applicable
Viscosity	:	140 mPas at 20°C (68°F)
Explosion Data – Sensitivity to Mechanical Impact	:	Not applicable
Explosion Data – Sensitivity to Static Discharge	:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity: One component of a two component reaction resin TekTrench Component B to form a urea-silicate grout.
Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions: Hazardous reactions will not occur.
Conditions to Avoid: Use of product in extremely high or low temperatures will affect set times.
Incompatible Materials: Water leaking into unclosed containers or unbunged drums can react with the material and react to form a polyurea and release carbon dioxide that can build-up pressure and rupture the container or drum if closed.
Hazardous Decomposition Products: None.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not toxic based on mixture ingredients
LD50 and LC50 Data: Oral >15,000 mg/kg (rat), Dermal >5000 mg/kg (rabbit), Inhalation 4 hr 490 mg/l (rat).
Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Irritation: Causes serious eye irritation.
Respiratory or Skin Sensitization: May cause asthma like symptoms or breathing difficulties if inhaled. Sensitization possible through inhalation and through skin contact.
Germ Cell Mutagenicity: Not classified
Teratogenicity: No based on mixture ingredients
Carcinogenicity: No based on mixture ingredients
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: No based on mixture ingredients

Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Irritation to the respiratory tract.
Symptoms/Injuries After Skin Contact: Causes skin irritation.
Symptoms/Injuries After Eye Contact: Causes serious eye irritation. May lead to eye damage if not treated.
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms: Repeated and prolonged inhalation may damage lungs.

Information on Toxicological Effects - Ingredient(s)
LD50 and LC50 Data: Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity Not Available
Persistence and Degradability Not available
Bioaccumulative Potential Not available
Mobility in Soil Not available
Other Adverse Effects
Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT Not regulated for transport
14.2 In Accordance with IMDG Not regulated for transport
14.3 In Accordance with IATA Not regulated for transport
14.4 In Accordance with TDG Not regulated for transport

National Motor Freight Classification
NMFC Name: Chemicals, NOI **NMFC Number:** 43940 Sub 2 Class: 85

Tariff Classification Number: 3909.50.1000

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

TekTrench Component A, one component of a two component reaction resin to form a urea-silicate grout.	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

US State Regulations Not available

Canadian Regulations

TekTrench Component A	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects
	
Diphenylmethanediisocyanate, isomers and homologues CAS 9016-87-9, Tris (2-chlorisopropyl)-phosphate CAS 13674-84-5, Triethyl Phosphate CAS 78-40-0	
Listed on the Canadian DSL (Domestic Substances List) inventory.	

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

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 07/23/2018

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases: Based on individual ingredients. Refer to Section 2: Hazardous Identification for the Substance or Mixture.

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure.

Party Responsible for the Preparation of This Document

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