



SAFETY DATA SHEET

DATE: 11/2024

SECTION ONE – PRODUCT IDENTIFICATION

PRODUCT NAME: BioSpan Captech-5500 Penetrating Concrete Sealer

DESCRIPTION: Non-toxic, biodegradable penetrating concrete sealing agent

SYNONYMS: Concrete sealing agent

SDS Captech-5500 #01

GENERAL PRODUCT USE: Penetrating sealer used for hardened concrete for waterproofing and salt resistance

APPEARANCE AND ODOR: Pale yellow, clear to slightly hazy, slight lemon/lime fragrance

SUPPLIERS NAME: BIOSPAN TECHNOLOGIES, INC.
6540 MEYER DRIVE, WASHINGTON, MISSOURI 63090

SUPPLIERS PHONE NUMBER: (636) 583-7974

TRANSPORTATION EMERGENCY PHONE NUMBER: CHEMTEC NUMBER (800) 262-8200

S.A.R.A. INFORMATION

HAZARDS: FIRE: YES PRESSURE: NO REACTIVITY: NO ACUTE: NO CHRONIC: NO

PHYSICAL DATA: MIXTURE: YES PURE: NO SOLID: NO LIQUID: YES GAS: NO

SECTION TWO – HAZARDS IDENTIFICATION

NONE

SECTION THREE – COMPOSTION / INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME:</u>	<u>APPROXIMATE WEIGHT %</u>
N / A	NONE

ALL MATERIALS ARE CLASSIFIED NON-TOXIC

SECTION FOUR – FIRST AID MEASURES

PRIMARY ROUTES OF ENTRY	SKIN CONTACT X INHALATION X	EYE CONTACT X INGESTION
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EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush eyes with large amounts of running water for at least 15 minutes. If irritation persists, contact a doctor.
Skin: Wash with large amounts of running water, and soap. Remove contaminated clothing and wash before wearing again.
Ingestion: If swallowed, immediately drink milk or water and contact a doctor immediately.
Inhalation: Remove from area to fresh air.

ODOR THRESHOLDS: None

HEALTH HAZARDS (ACUTE AND CHRONIC): SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eyes - irritation from direct contact. Prolonged contact with membranes of mouth, esophagus & stomach may cause irritation and dermatitis of the skin. Inhalation - may cause respiratory irritation and coughing. Ingestion - harmful if swallowed.

CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders may be more susceptible to irritating effects. Persons with pre-existing lung disorders may be more susceptible to irritating effects. CARCINOGENICITY: None

SECTION FIVE – FIREFIGHTING MEASURES

REACTIVITY WITH WATER: NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE
AUTO IGNITION TEMPERATURE: NONE
UPPER EXPLOSION LIMIT (%): NOT KNOWN
SPECIAL FIRE FIGHTING PROCEDURES: **Use detergent based foams to extinguish.** WEAR SELF CONTAINED BREATHING APPARATUS, AND COMPLETE PROTECTIVE CLOTHING

SECTION SIX – ACCIDENTAL RELEASE MEASURES

STABILITY: STABLE X
UNSTABLE
SENSITIVITY TO STATIC DISCHARGE: None
REACTION DECOMPOSITION PRODUCTS: None

CONDITIONS TO AVOID: Avoid heat, open flame
REACTIVITY WITH WATER: None

HAZARDOUS POLYMERIZATION
MAY WILL NOT
OCCUR OCCUR X

CONDITIONS TO AVOID
strong alkalis and oxidizing agents

SECTION SEVEN – HANDLING AND STORAGE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Floors may become slippery. Use protective equipment stated in Section Eight. Contain liquid spills using a barrier of inert material such as sand or by diking the area. Absorb spilled liquids using inert material. Scoop or shovel absorbed material or spilled solids into containers. Avoid creating a dust during transfer of solids. Wash area with soap and water.
WASTE DISPOSAL METHODS: Incinerate or bury in an approved manner or dispose of in accordance with pertinent federal, state, or local regulations.

SECTION EIGHT – EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT: Goggles, impervious or chemical resistant gloves, and impervious clothing to prevent skin contact.

RESPIRATORY PROTECTION: In well-ventilated areas protection is not normally required

Other Protective Equipment: eye wash station and safety shower should be easily accessible

SECTION NINE – PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 380° – 390° F

VAPOR DENSITY: LIQUID

PERCENT VOLATILE (BY WEIGHT): N / A

VAPOR PRESSURE: 0.93 MM @ 20° C

SOLUBILITY IN WATER: MISCIBLE

SPECIFIC GRAVITY: 0.891 (H₂O = 1.0)

AUTO IGNITION TEMPERATURE: N / A

pH: 5.9 – 6.1

FLASH POINT: 160° F+ TAG CLOSED CUP

LOWER EXPLOSION LIMIT %: NOT KNOWN

UPPER EXPLOSION LIMIT: NOT KNOWN

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL OR DETERGENT BASED FOAMS OR UNIVERSAL-TYPE FOAM THERMAL DECOMPOSITION

PRODUCTS: BURNING OF MATERIAL MAY RELEASE CARBON DIOXIDE, CARBON MONOXIDE

SECTION TEN – STABILITY AND REACTIVITY

Conditions to avoid: Excessive temperatures may cause decomposition or oxidation

Materials to Avoid: Avoid contact with strong acids, strong bases and oxidizing agents

Decomposition Products: CO₂ and water

SECTION ELEVEN – TOXICOLOGICAL INFORMATION

CHEMICALS LISTED AS CARCINOGEN BY: (YES OR NO)

NATIONAL TOXICOLOGY PROGRAM NO

I.A.R.C. MONOGRAPHS NO

OSHA NO

Target organs: Eyes and skin

Route of entry: Eye and skin contact

Acute toxicity LPR-Mus TD_{LD} <10,000 mg/kg/8W-1:ETA.

Chronic toxicity No known chronic indications

SECTION TWELVE – ECOLOGICAL INFORMATION

N/A

SECTION THIRTEEN – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Incinerate or bury in an approved manner or dispose of in accordance with pertinent federal, state or local regulations.

SECTION FOURTEEN – TRANSPORT INFORMATION

N/A

SECTION FIFTEEN – REGULATORY INFORMATION

U.S. REGULATORY INFORMATION:

SARA CLASSIFICATION(S): Ingredients present in products that may require reporting under section 311-312 of SARA title III as defined in 40 CFR 372: Fire Hazard

Toxic Chemicals: None

CLEAN AIR ACT, OZONE DEPLETING SUBSTANCES:

This product does not contain, nor was it manufactured with, Class I or Class II ozone depleting substances as defined by the Clean Air Act Amendments of 1990

SECTION SIXTEEN – OTHER INFORMATION

Hazardous ratings (0=minimal, 1=slight, 2=moderate, 3= serious, 4= severe)

HMIS RATINGS: Health = 1, Flammability = 1 Reactivity = 0 Personal Protective Equipment = G, eye protection

NFPA: Health =1, Flammability=1, reactivity=0

EXPOSURE LIMITS: (N.E. = None Established)

PREPARED BY: S.R. Chesky, BioSpan Technologies, Inc.
11/2024