

SEAMSEAL®

MATERIAL SAFETY DATA SHEET date: 11/2024

SECTION ONE - PRODUCT DESCRIPTION**PRODUCT NAME:** BioSpan SeamSeal™ Joint Bonding Agent**DESCRIPTION:** Non-toxic aggregate bonding agent specifically for asphalt joints**SYNONYMS:** Same**MSDS NUMBER:** 5030**GENERAL PRODUCT USE:** To bond and seal asphalt joints to prevent moisture penetration between lift seams**APPEARANCE AND ODOR:** pale yellow, clear to slightly hazy, slight sweet fragrance**SUPPLIERS NAME:** BIOSPAN TECHNOLOGIES, INC.
6540 MEYER DRIVE, WASHINGTON, MISSOURI 63090**SUPPLIERS PHONE NUMBER:** (636) 583-7974**TRANSPORTATION EMERGENCY PHONE NUMBER:** 800-730-8980**DAYTIME, 636-536-0161 NIGHTS/WEEKENDS 314-276-7517****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 - HAZARDOUS INGREDIENTS**

<u>APPROXIMATE WEIGHT %</u>	<u>CHEMICAL NAME</u>	ALL MATERIALS ARE CLASSIFIED NON-TOXIC
N/A	NONE	

SECTION THREE - PHYSICAL AND CHEMICAL PROPERTY

BOILING POINT: 340°-360°F	SOLUBILITY IN WATER: miscible
VAPOR DENSITY: LIQUID	SPECIFIC GRAVITY: 0.891(H ₂ O = 1.0)
PERCENT VOLATILE (BY WEIGHT): N/A	AUTO IGNITION TEMPERATURE: N/A
VAPOR PRESSURE: 0.93 MM@20°C	pH: 5.9-6.1

SECTION FOUR - FIRE AND EXPLOSION DATA

FLASH POINT: 210°F+ TAG CLOSED CUP	AUTO IGNITION TEMPERATURE: NONE
LOWER EXPLOSION LIMIT (%): NOT KNOWN	UPPER EXPLOSION LIMIT (%): NOT KNOWN
EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL OR UNIVERSAL-TYPE FOAM THERMAL DECOMPOSITION PRODUCTS: Burning of material may release carbon dioxide, carbon monoxide	SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF CONTAINED BREATHING APPARATUS, AND COMPLETE PROTECTIVE CLOTHING
	UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION FIVE - HEALTH EFFECTS INFORMATION

<u>PRIMARY ROUTES OF ENTRY</u>	<u>SKIN CONTACT X INHALATION X</u>	<u>EYE CONTACT X INGESTION</u>

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 due to defatting 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**CONTINUED ON PAGE 2****SeamSeal™ Joint Bonding Agent (OSHA 20) Page 2 of 3****SYNERGISTIC EFFECTS - None Known****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.

CHEMICALS LISTED AS CARCINOGEN BY: (YES OR NO)
NATIONAL TOXICOLOGY PROGRAM NO
I.A.R.C. MONOGRAPHS NO
OSHA NO

SECTION SIX - REACTIVITY INFORMATION

STABILITY: STABLE X UNSTABLE CONDITIONS TO AVOID: Avoid heat, open flame
SENSITIVITY TO STATIC DISCHARGE: None REACTIVITY WITH WATER: None
REACTION DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION

MAY WILL NOT
OCCUR OCCUR X

CONDITIONS TO AVOID

strong alkalis and oxidizing agents

SECTION SEVEN - SPILL AND DISPOSAL INFORMATION

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, bury in an approved manner or dispose of in accordance with pertinent federal, state, or local regulations.

SECTION EIGHT - PERSONAL PROTECTION INFORMATION

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 - STORAGE AND HANDLING

PRECAUTIONS FOR STORAGE AND HANDLING: Store in dry, and well-ventilated area. Keep containers closed. Do not enter storage area unless area is adequately ventilated.

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Wash contaminated clothes before reuse. Launder work clothes. Check protective clothing, particularly impervious gloves, for leaks before use.

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. May react violently with iodine pentafluoroethylene

Decomposition Products: CO₂ and water

SECTION ELEVEN—TOXICOLOGICAL INFORMATION

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

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SECTION TWELVE— ECOLOGICAL INFORMATION

Biodegradability: Biodegradable

Aquatic toxicity: Marine pollutant in excess of 1000 gallons of water. The formulations are immiscible in water. The formulations are known to evaporate quickly and biodegrade and should not cause long-term effects.

Bioaccumulation Potential: Not determined. All materials used in formulations are known to be non-accumulating in the environment.

SECTION THIRTEEN —DISPOSAL CONSIDERATIONS

RCRA hazardous waste— Classified as a RCRA hazardous waste— (Flammability characteristics only)

Disposal methods: Dispose of this material by either incineration or by a licensed waste disposal company. Contaminated absorbent material may be disposed of in an approved landfill. Follow all local, state and Federal disposal regulations.

SECTION FOURTEEN—TRANSPORT INFORMATION

DOT:

Proper shipping name:

Formulated solution containing: Fatty acid esters, Identification Number 144920, UN hazard class N/A< Terpene hydrocarbons, n.o.s., 3, UN 2319, PGIII, Exemptions: chemicals, n.o.l. (NON-REGULATED)- allowable for shipment in non-bulk containers: IATA: terpene hydrocarbons, n.o.s., UN2319, PGIII

SECTION FIFTEEN— REGULATORY INFORMATION

OSHA	This product is slightly hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200: however, thermal decomposition fumes from this product may be hazardous under sections 2 and 3.
CERCLA- SARA CLASSIFICATION(S):	Ingredients present in products that may require reporting under Section 312 of SARA title III as defined in 40 CFR 372: EXTREMELY HAZARDOUS SUBSTANCES: NONE
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 SARA CLASSIFICATION(S): Ingredients present in products that may require reporting under Section 313 of SARA title III as defined in 40 CFR 372: 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

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: BioSpan Technologies, Inc.
11/2024