

**FSR-4450™
FOAM SPACING DISSOLVER****SAFETY DATA SHEET**

DATE: 11/2024

SECTION ONE – PRODUCT IDENTIFICATION

PRODUCT NAME: FSR-4450 Foam Spacing Dissolver

DESCRIPTION: Non-toxic, biodegradable, expanded polystyrene foam and extruded polystyrene foam dissolver

SYNONYMS: Foam dissolving agent

SDS FSR 4450 #01

GENERAL PRODUCT USE: Removal agent for foam spacers in concrete road and bridge construction

APPEARANCE AND ODOR: Clear to slightly hazy, light orange 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: NO 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 – COMPOSITION / 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 XEYE CONTACT X
INGESTION**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 due to deflating 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

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

SECTION SIX – ACCIDENTAL RELEASE MEASURES

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 SEVEN – HANDLING AND STORAGE

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 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: 360° - 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: 5.6 – 5.8

FLASH POINT: 170-191°F+ TAG CLOSED CUP

LOWER EXPLOSION LIMIT %: NOT KNOWN

UPPER EXPLOSION LIMIT: NOT KNOWN

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL OR UNIVERSAL-TYPE FOAM

PRODUCTS: Burning of material may release carbon dioxide, carbon monoxide

SECTION TEN – STABILITY AND REACTIVITY

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 ELEVEN – TOXICOLOGICAL INFORMATION

Target organs: Eyes and skin

Route of entry: Eye and skin contact

Chronic toxicity: No known chronic indications

SECTION TWELVE – ECOLOGICAL INFORMATION

Biodegradability: Product is biodegradable

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.

CERLA-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: EXTREMELY HAZARDOUS SUBSTANCES: NONE

40 CFR 372: Fire Hazard

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 – OTHER INFORMATION

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

PREPARED BY: BioSpan Technologies, Inc.
11/2024