BioSpan Technologies, Inc.
6540 Meyer Drive r
Washington, Missouri 63090

PHONE (636) 583-7974
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MATERIAL SAFETY DATA SHEET

SECTION ONE - PRODUCT DESCRIPTION

PRODUCT NAME: BioSpan **RePLAY™** Asphalt (Oxidation) Pavement Restorer
DATE:11/02

DESCRIPTION: NON-TOXIC, environmentally friendly Recycled asphalt restorer
SYNONYMS: Asphalt reducing agent
MSDS NUMBER: exp-11-02
GENERAL PRODUCT USE:Used to activate used asphalt for reuse on all road surfaces
APPEARANCE AND ODOR: brown, slightly hazy, slight ORANGE 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, 636-537-4971 NIGHTS/WEEKENDS
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

CHEMICAL NAME	**APPROXIMATE WEIGHT %**
NONE	N/A

ALL MATERIALS ARE CLASSIFIED NON-TOXIC

SECTION THREE - PHYSICAL AND CHEMICAL PROPERTY

BOILING POINT: 310° -330ºF
VAPOR DENSITY: LIQUID
PERCENT VOLATILE (BY WEIGHT): N/A
VAPOR PRESSURE: 0.91 MM@20•C
SOLUBILITY IN WATER: miscible,
SPECIFIC GRAVITY : 0.8935 (H_2O = 1.0)
AUTO IGNITION TEMPERATURE: N/A
pH: 5.0-6.0

SECTION FOUR - FIRE AND EXPLOSION DATA

FLASH POINT: 180-191 DEG.F. 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

PRIMARY ROUTES OF ENTRY - SKIN CONTACT X EYE CONTACT X
INHALATION X INGESTION
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 repiratory 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
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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	CONDITIONS TO AVOID
	UNSTABLE	Avoid heat, open flame

SENSITIVITY TO STATIC DISCHARGE: None REACTIVITY WITH WATER: None

REACTION DECOMPOSITION PRODUCTS: None.

HAZARDOUS POLYMERIZATION		
MAY	WILL NOT	CONDITIONS TO AVOID
OCCUR	OCCUR X	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: MATERIAL IS BIODEGRADABLE, and may be treated via sanitary waste treatment plant or approved sanitary landfill, or incinerate, bury in an approved manner or dispose of in accordance with pertanent federal, state, or local regulations.

SECTION EIGHT - PERSONAL PROTECTION INFORMATION

PROTECTIVE EQUIPMENT: Goggles, impervious or chemical resistant gloves, and impervious clothing to avoid 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. Avoid excessive heat.

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 - MISCELLANEOUS AND REGULATORY INFORMATION

U.S. REGULATORY INFORMATION:

SARA CLASSIFICATIONS(S): Ingredients present in products that may require reporting under Section 313 of SARA title III as defined in 40 CFR 372: 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.

SCHEDULE B NUMBER:

HMIS RATINGS: Health - 1, Flammability - 1 ,Reactivity - 0 Personal Protective Equipment - G

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

Prepared by: S. Chesky
BioSpan Technologies, Inc.

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