


1. Product and Company Identification				
Sripath Technologies®, LLC 115 Franklin Turnpike, #250 Mahwah, NJ 07430 Phone: (201) 721-7562 / Fax: (201) 604-7444				
Synonyms:	Proprietary mixture			
Chemical Family:	Mixture of Bio-Oils			
Recommended Use:	An additive for use in blending with asphalt			
HCSDS Creation Date:	November 30, 2013			
HCSDS Last Revision Date:	May 1, 2020			
2. Hazards Identification				
HMIS Ratings (Scale of 1 to 4)	Health: 1	Fire: 1	Reactivity: 0	Special: N/A
NFPA Ratings (Scale of 1 to 4)	Health: 0	Fire: 1	Reactivity: 1	Other: N/A
Signal Word:	Warning			
EMERGENCY OVERVIEW:	May be slight irritant on contact with skin, eyes, or on ingestion			
Potential Health Effects:				
Skin Contact:	Slightly hazardous in case of skin contact (irritant).			
Eye Contact:	Slightly hazardous in case of eye contact (irritant).			
Inhalation:	Slightly hazardous in case of inhalation (irritant).			
Ingestion:	Slightly hazardous in case of ingestion (irritant).			
3. Composition/Information on Ingredients				
CAS Number:	Weight %	Ingredient Name		
Proprietary	Mixture	The chemical identity and/or exact percentages of composition have been withheld as a trade secret. Components of this product are on the TSCA Inventory or are exempt from TSCA listing.		
Proprietary Surfactant	0-1	Listed on TSCA Inventory		
4. First Aid Measures				
Skin Contact:	Remove contaminated clothing, jewelry and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Cover the irritated skin with an emollient. In case of burns from hot material, cover area with sterile, dry dressing. Bandage securely, but not too tightly. Get medical attention immediately.			
Eye Contact:	Check for and remove any contact lenses. Wash eyes immediately with large amounts of water or normal saline solution, occasionally lifting upper and lower lids until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention immediately.			
Inhalation:	Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. If breathing is difficult, give oxygen. Treat symptomatically and supportively. Get medical attention immediately.			

Ingestion:	If swallowed DO NOT INDUCE VOMITING unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Notes to Physician:	N/A
<b>5. Fire Fighting Measures</b>	
Flash Point: (Closed cup)	>400 °(F)
Extinguishing Media:	Dry chemical, carbon dioxide, and regular foam. For larger fires, use regular foam
Fire Fighting:	Avoid use of water. Move container from fire area if you can do it without risk. Avoid breathing corrosive vapors; keep upwind.
Fire and Explosion Hazard:	Emits acrid smoke and toxic fumes under fire conditions. Contact with strong oxidizers may cause fire and/or explosion.
Products of Combustion:	Thermal decomposition products may include toxic fumes including carbon monoxide and carbon dioxide. Emits acrid smoke and fumes.
<b>6. Accidental Release Measures</b>	
Small Spill:	Absorb with an inert material (paper towels, spill control pillows, absorbent particulate) and put the spilled material in an appropriate waste disposal.
Large Spill:	Absorb with an inert material (paper towels, spill control pillows, absorbent particulate) and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
Clean-up and Disposal:	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
<b>7. Handling and Storage</b>	
Handling:	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/vapor spray. Keep away from incompatibles such as oxidizing agents. Handle in accordance with good hygiene and safety procedures. Avoid inhalation, contact with eyes, skin or clothing.
Storage:	Keep in a tightly closed container, stored in a cool, dry, ventilated area.
<b>8. Exposure Controls/Personal Protection</b>	
Engineering Controls:	Provide local exhaust ventilation system or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Exposure Limits:	OSHA-PEL: 15 mg/m <sup>3</sup> ; ACGIH-TLV: 10 mg/m <sup>3</sup>
<b>Personal Protective Equipment (PPE):</b> Face shield. Synthetic apron. Gloves (impervious).	
Eyes:	Employee must wear chemical splash goggles or a face shield.

Hands and Feet:	Employee must wear appropriate protective gloves, such as neoprene or butyl gloves or gauntlets and oil and acid resistant safety boots.		
Body:	Employee must wear appropriate protective (oil and acid resistant) clothing		
Respiratory:	Approved respirator equipped with a canister approved for dust/mist/organic vapors/acids is recommended		
<b>9. Physical and Chemical Properties</b>			
Description	Liquid		
Odor:	Slight		
Boiling Point:	N/A		
Melting Point:	-14 °C (6.8 °F)		
Specific Gravity (H <sub>2</sub> O=1):	0.918 (Water = 1)		
pH (1%soln/water)	N/A		
Water Solubility:	Insoluble in cold water		
Vapor Density (air = 1)	N/A		
Freezing Point:	Not known		
Flash Point:	>400 °F (closed cup)		
Lower/upper Flame Limits	Not known		
Auto-ignition Temperature:	Not known		
<b>10. Stability and Reactivity</b>			
Stability and Reactivity:	The product is stable.		
Incompatibilities:	Reactive with oxidizing agents.		
<b>11. Toxicological Information</b>			
Toxicity Data:	<p>Slightly hazardous in case of skin contact (irritant), or ingestion, or inhalation. No information on adverse reproductive effects on humans found. Bio-Oil is used as a vehicle in many toxicology studies, and is thereby assumed not to exert important effects in its own right. In fact, the majority of reproductive and developmental toxicology studies using Bio-Oil controls do not note adverse effects; however, there have been only a few studies that directly assess this issue, as follows: Adverse reproductive effects (biochemical and metabolic effects and developmental abnormalities on new born) were found in pregnant rats were fed extremely high amounts of certain Bio-Oils (36,000 mg/kg and 12,500 mg/kg).</p> <p>Acute Potential Health Effects: Skin: May cause skin irritation. Low hazard for usual industrial handling. Eyes: May cause transient irritation. Inhalation: Low hazard for usual industrial handling. Ingestion: Ingestion of large amount may cause gastrointestinal (digestive) tract irritation. Expected to be a low ingestion hazard.</p> <p>Chronic Potential Health Effects: Repeated or prolonged contact may cause allergic reactions in sensitive individuals.</p>		
Carcinogen status	OSHA – No	NTP – Not a carcinogen	IARC - Not a carcinogen
<b>12. Ecological Information</b>			
No data			
<b>13. Disposal Information</b>			
Do not dispose into the immediate environment. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Waste must be disposed of in accordance with federal, state and local environmental control regulations.			

<b>14. Department of Transportation (DOT) Transport Information</b>	
Shipping Name(s):	NuMIXER™
UN Number:	Not Regulated
UN proper shipping name:	Not Regulated
Hazard Class or Division:	Not Regulated
DOT Classification:	Not a DOT controlled material (United States).
Packing Group:	Not Regulated
Environmental hazard(s):	
Labeling Requirements:	Not Regulated
<b>Packing Authorizations:</b>	
Exceptions:	Not Regulated
Non-Bulk Packing:	
Bulk Packing:	Not Regulated
<b>Quantity Limitations:</b>	
Passenger Aircraft:	Not Regulated
Cargo Aircraft Only:	Not Regulated
<b>15. Regulatory Information</b>	
OSHA Process Safety:	Not listed
SARA Title III:	Not listed
TSCA Status:	All components listed
CERCLA:	Not listed
ENECS Status:	This product in on the European Inventory of Existing Commercial Chemical Substances.
California Proposition 65:	Not listed
WHMIS Classification	Not controlled under WHMIS (Canada)
DSCL (EEC):	This product is not classified according to the EU regulations. S24/25- Avoid contact with skin and eyes.
Federal and State Regulations:	Not regulated TSCA Listed – non-hazardous
<b>16: Other Information</b>	
<p>This HCSDS is furnished independent of product sale. Every effort was made to accurately describe this product. However, some of the data are obtained from sources beyond Sripath Technologies® LLC's direct supervision. We cannot make any assertions as to its reliability or completeness. Therefore, the user may rely on it only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since Sripath Technologies® LLC is not able to anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding the use and disposal of this product. Additional information will be furnished upon request to assist the user; however, no warranty; either expressed or implied, nor liability of any nature with respect to this product or to the data herein is made or incurred hereunder.</p>	