

Mulco Inc./Sico inc.
 2505 de la métropole
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 J4G 1E5

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MATERIAL SAFETY DATA SHEET

WHMIS: B3, D2B

I - PRODUCT INFORMATION	
PRODUCT NAME	Rapid Patch Mulco
TYPE OF PRODUCT	Solvent-based asphalt compound
PRODUCT USE	Cement for application on wet surfaces

II - HAZARDOUS INGREDIENTS				
INGREDIENTS	%	# CAS	EXPOSURE LIMITS	DL50/CL50 (TYPE & MEDIA)
Mineral spirits	15-40	8052-41-3	100 ppm *	CL ₅₀ (rat) > 1400 ppm * DL ₅₀ (oral-rat) = 7000 mg/kg DL ₅₀ (dermal-rat) = 3500 mg/kg
Aromatic solvent (petroleum)	5-10	68477-31-6	37 ppm	
* Data available for Stoddard solvent (ACGIH 1983)				

III - PHYSICAL CHARACTERISTICS			
PHYSICAL STATE	<input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SOLID	ODOR & APPEARANCE	High viscosity black paste characterized by its petroleum odor
THRESHOLD OF SMELL (ppm)	N/A	VOLATILE CONTENT (VOL.)	46%
VAPOR PRESSURE (mm Hg)	7 - 10 @ 38°C	VAPOR DENSITY (AIR = 1)	3.9 - 4.9
EVAPORATION RATE (Butyl Acetate = 1)	0.10 - 0.20	BOILING POINT (°C)	150 - 204
		SOLUBILITY IN WATER	Insoluble
FREEZING POINT	N/A	pH	N/A
DENSITY (g/mL)	1.00		
WATER/OIL DISTRIBUTION	N/A		

IV - FIRE AND EXPLOSION HAZARD DATA			
FLAMMABILITY	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	FLAMMABILITY CONDITIONS	
		Avoid excessive heat and open flames	
FLASH POINT METHOD	43°C PMCC	THRESHOLD OF FLAMMABILITY (% VOL.)	SELF-BURNING TEMP.
		Min.: 1 Max.: 6	245°C for the solvent
TDG FLAMMABILITY CLASS	Class 3, GE III	SENSITIVITY TO STATIC	SENSITIVITY TO SHOCKS
		If product temperature is above flash point	None
DANGEROUS GOODS COMBUSTION	If burning, release of SO ₂ and CO. Main combustion products are H ₂ O, CO ₂ and C (if thick smoke)		
EXTINGUISHING MEDIA	Dry chemical, carbon dioxide, foam, water fog for small fires.		
SPECIAL PROCEDURES	Contain spills. Cover with extinguishing media. Cool exposed containers with water fog. Wear appropriate breathing apparatus (if applicable) and protective clothing.		

V - DISCLAIMER

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VI - REACTIVITY DATA

CHEMICAL STABILITY	<input checked="" type="checkbox"/> YES	INSTABILITY CONDITIONS Avoid excessive heat and all ignition sources above flash point.
	<input type="checkbox"/> NO	
INCOMPATIBILITY (SUBSTANCES TO AVOID)	Powerful oxidizing agents may ignite product.	
REACTIVITY CONDITIONS	N/A	
HAZARDOUS DECOMPOSITION PRODUCTS	No product decomposition in normal handling and storing conditions.	

VII - TOXICOLOGICAL DATA

THRESHOLD OF EXPOSURE	37 ppm for the solvent	CL50/DL50 (EVALUATED)	CL ₅₀ (rat) > 1400 ppm		
ROUTES OF EXPOSURE	<input type="checkbox"/> SKIN CONTACT	<input type="checkbox"/> SKIN ABSORPTION	<input checked="" type="checkbox"/> EYE	<input checked="" type="checkbox"/> INHALATION	<input checked="" type="checkbox"/> INGESTION
ACUTE HEALTH HAZARDS	High concentration inhaled vapors may cause headaches, dizziness, nausea and unconsciousness. May cause gastro-intestinal problems if ingested in large quantity.				
CHRONIC HEALTH HAZARDS	Prolonged or repeated skin contact may cause irritations, lesions, dermatitis. Vapors may also cause eye, nose and throat irritation.				
IRRITATION	Skin irritant after prolonged or repeated contact.				
SENSITIVITY	None available				
SYNERGIC PRODUCTS	None available				
CARCINOGENICITY	None		TERATOGENICITY	None	
EFFECTS ON REPRODUCTION	None		MUTAGENICITY	None	

VIII - FIRST AID

SKIN CONTACT	Wash thoroughly with waterless hand cleaner or with soap and water.
EYE CONTACT	Thoroughly flush eyes with plenty of water for 5 to 10 minutes. Call a physician.
INHALATION	Remove victim to fresh air. Begin artificial resuscitation if breathing has stopped or is difficult, give oxygen. Immediately call a physician.
INGESTION	DO NOT INDUCE VOMITING. If vomiting begins, try to prevent product from entering the lungs. Keep victim warm and calm. Immediately call a physician.

IX - PRECAUTIONS FOR SAFE HANDLING AND USE

PERSONAL PROTECTION EQUIPMENT	EYE	Not required
	GLOVES	Recommended, non-porous type resistant to solvents.
	CLOTHES	Regular
	INHALATION	Use NIOSH-approved respirator in confined spaces or if applied with spray gun.
MECHANICAL CONTROLS (VENTILATION, ETC.)	Adequate ventilation to the outside required for confined spaces to maintain threshold of exposure.	
MEASURES DURING RELEASE OR SPILL OF MATERIAL	Avoid breathing vapors and contact with skin and eyes. Keep away from all ignition sources. Contain spill with sand or dirt. Transfer in disposable containers.	
WASTE DISPOSAL	Landfill absorbed material in an approved site or burn product in an incinerator regulated by local laws.	
HANDLING	Normal	
STORING	Avoid excessive heat	
SHIPPING	Not regulated under TDG, UN 1999	