

Material Safety Data Sheet

#CLA-16 COIL LAMINATING CEMENT

GLOBAL ADHESIVES, LLC
LAKE HAVASU CITY, AZ. 86406

SECTION I PRODUCT IDENTIFICATION

HMIS RATING 2-3-0

Product Name #CLA-16
Product BUTYRAL PHENOLIC COIL WINDING CEMENT

section II	HAZARDOUS INGREDIENTS/IDENTITY INFORMATION								
HAZARDOUS COMPONENTS	%	SARA 313 LIST RQ	CAS NUMBER	OSHA PEL	ACGIH TLV	OSHA ACGIH STEL	LD50 SKIN RABBIT	LD50 ORAL RAT	LC50 VAPOR RAT
METHYL PHENOL	<0.6	Yes	1319-77-3	5 ppm	5 ppm	NE	200 mg/kg	1454 mg/kg	
4-(1,1-DIMETHYLETHYL) PHENOL	<0.7	--	98-54-4	NE	NE	NE	2288 mg/kg	2951 mg/kg	
FORMALDEHYDE	<0.07	Yes	50-00-0	0.75 ppm	0.3 ppm	2.0 ppm	270 mg/kg	800 mg/kg	590 mg/m3
ETHANOL	09-14	--	67-17-5	1000 ppm	1000 ppm	n/a	9.9 g/kg	6.2-17 g/kg	16000 ppm/8 hr
METHYL ETHYL KETONE	44-52	yes	78-93-3	200 ppm	200 ppm	300 ppm	8.0 ml/lg	4.80 g/kg	8000 ppm/8 hr
METHYL ISOBUTYL KETONE	05-11	yes	108-10-1	50 ppm	50 ppm	75 ppm	>3.0 g/kg	2.1 g/kg	

SECTION II A NON-HAZARDOUS COMPONENTS

NON-HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Polyvinyl butryal-polyvinyl alcohol-polyvinyl acetate terpolymer	10-30
Phenol-formaldehyde-cresol resin	10-30

Section III	PHYSICAL/CHEMICAL CHARACTERISTICS			
BOILING POINT Initial (F)	171	SPECIFIC GRAVITY	0.930	
VAPOR PRESSURE (mm Hg)	58	% VOLATILE (Volume)	76	
VAPOR DENSITY (Air=1)	1.6-3.5	EVAPORATION RATE	2.7-6.8	
SOLUBILITY IN WATER	Negligible (either=1)	APPEARANCE & ODOR	Amber Viscous Liquid	

Section IV	FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (METHOD)	24 F T.C.C.	FLAMMABLE LIMITS	LEL 1.4	UEL 7.5
EXTINGUISHING MEDIA:	Dry Chemical, Carbon Dioxide, Alcohol Foam.			
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus with a full face piece operated in a pressure demand or other pressure mode.			
USUAL FIRE AND EXPLOSION HAZARDS:	Material is highly volatile and readily give off vapors which may travel and cause flash fires or be ignited by any flame source.			

Section V	REACTIVITY DATA			
STABILITY	UNSTABLE	CONDITIONS TO AVOID:		
	STABLE	X		
INCOMPATIBILITY (Materials to avoid):	Strong Acids or bases, oxidizing agents and amines.			
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Combustion may yield carbon monoxide and/or carbon dioxide.			
HAZARDOUS POLYMERIZATION:	MAY OCCUR	CONDITIONS TO AVOID:		
	WILL NOT OCCUR	X		

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Section VI

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources, stop spill at source, contain by dike, transfer material into suitable container. Absorb remainder with clay, vermiculite or other absorbent material and dispose of properly.

WASTE DISPOSAL METHOD: Liquid incineration, or may be disposed in a Hazardous Material landfill in accordance with all state, local and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed. Use only with adequate ventilation. Keep away from heat sources, spark or open flame sources.

OTHER PRECAUTIONS: Empty containers can be hazardous due to residue. Dispose of properly.

Section VII

CONTROL MEASURES

RESPIRATORY PROTECTION: Yes, if TLV levels are exceeded NIOSH/MESA approved.

VENTILATION: Provide sufficient mechanical and/or local exhaust ventilation to maintain exposure level below TLVs.

PROTECTIVE GLOVES: Yes

EYE PROTECTION: Chemical splash goggles

OTHER PROTECTIVE EQUIPMENT: Impervious clothing and face shield if necessary.

WORK/HYGIENIC PRACTICES: Clean spills immediately. Wash clothing if contaminated before re-wearing. Practice good industrial hygiene.

Section VIII

EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: For direct contact, flush eyes with water for at least 15 minutes and seek medical attention.

SKIN CONTACT: Remove contaminated clothing. Thoroughly cleanse by washing area with mild soap and water. If irritation or redness develops and persists, seek medical attention.

INHALATION: Remove victim to fresh air. If breathing has stopped, artificial respiration should be administered. If breathing difficulties persist oxygen should be administered by qualified personnel. Seek medical attention immediately.

INGESTION: Seek emergency medical attention. Immediately drink two glasses of water and induce vomiting with ipecac syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious person.

Section IX

HEALTH HAZARDS

PRIMARY ROUTES OF ENTRY: Inhalation, Skin contact.

EFFECTS OF ACUTE OVER EXPOSURE:

EYES: Can cause severe irritation, redness, tearing, blurred vision.

SKIN: Prolonged or repeated contact can cause moderate irritation, defatting, or dermatitis.

INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects include dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even death.

INGESTION: Can cause gastrointestinal irritation, nausea and vomiting.

EFFECTS OF CHRONIC OVEREXPOSURE:

Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

METHYL ETHYL KETONE: This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA.

ETHANOL This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA. Pre-existing blood disorders may be aggravated by exposure to this material.

METHYL ISOBUTYL KETONE This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA.

During polymerization (e.g. curing of the product during normal processing or decomposition (e.g. overheating or burning of the product) small amounts of methyl phenol, 4-(1,1-dimethylethyl) phenol and formaldehyde (as well as water vapor, carbon dioxide, and carbon monoxide) are evolved. Breathing of the fumes can be harmful. If the odor of formaldehyde is noticeable, then the airborne concentrations of those chemicals should be carefully monitored and ventilation improvements considered: those chemicals begin to be detectable by odor at concentrations approaching or exceeding the pels. The odor of methylphenol begins to be noticeable at a concentration about one-fifth the pel. In any case, adequacy of ventilation can best be determined by use of instruments to monitor airborne concentrations of ammonia.

Formaldehyde: Irritant to eyes, lungs, and skin. Has been shown to cause cancer in laboratory animals. Listed as an IARC carcinogen. National cancer institute study finds little evidence to connect formaldehyde exposure with cancer in humans.

Note: Judgement of potential hazards of this mixture is based on information available about individual components listed in section II. Direct testing of mixture has not been done.

Information given herein is believed to be accurate and is given in good faith; however, no warranty either expressed or implied is made. It is strongly suggested that users confirm in advance of need that the information is current and applicable to their situation.

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SECTION X – PREPARER INFORMATION

PREPARED BY (GROUP, DEPARTMENT, ETC) : Research and development

PHONE # 928-855-0159

DATE: OCTOBER 2007

We believe the information contained herein is current and accurate as of this date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of this product are not under the control of Global Adhesives, LLC. Or it's agents or distributors; it is the user's obligation to determine the conditions of safe use of this product. The buyer should conduct its own test of this product before use to determine proper preparation technique and suitability for proposed application. Global Adhesives, LLC. Warrants that the product conforms with Global Adhesives, LLC. Written Specifications, and is free from defects and disclaims all other warranties, expressed or implied and is not responsible for loss claim of damage resulting from the use of it's products.