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M A T E R I A L   S A F E T Y   D A T A   S H E E T  
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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION  
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PRODUCT NAME : ENCORE WOOD TIE PART B POLYOL  
IDENTIFICATION NUMBER: ENCORE WOOD TIE PART B POLYOL  
PRODUCT USE/CLASS : Polyurethane polyol

SUPPLIER:

Encore Rail Systems  
2350 Midway Boulevard  
Broomfield, CO 80020  
INFORMATION: 866-712-7622

PREPARER: Technical Department, PHONE: 866-712-7622, PREPARE DATE: 09/08/06

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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS  
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ITEM	-----	CHEMICAL NAME	-----	CAS NUMBER	WT/WT%
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No Hazardous Materials per 29 CFR 1910.1200					

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SECTION 3 - HAZARDS IDENTIFICATION  
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EMERGENCY OVERVIEW: Harmful if swallowed.

ACUTE EFFECTS - EYE CONTACT: Mechanical irritant. Contact may cause tearing and redness.

ACUTE EFFECTS - SKIN CONTACT: Not expected to present a hazard in normal industrial use.

ACUTE EFFECTS - INHALATION: Not expected to present a hazard in normal industrial use (room temperature processing).

ACUTE EFFECTS - INGESTION: May cause nausea and vomiting. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

CHRONIC OVEREXPOSURE EFFECTS: \*Preexisting pulmonary and dermatological disorders may be aggravated by exposure to hazardous components.

OTHER INFORMATION: No information.  
PRIMARY ROUTE(S) OF ENTRY: INGESTION,

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SECTION 4 - FIRST AID MEASURES  
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EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

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|                               SECTION 4 - FIRST AID MEASURES                               |
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INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: No information.

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|                               SECTION 5 - FIRE FIGHTING MEASURES                               |
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FLASH POINT: 200 F  
(PENSKY-MARTENS C.C.)  
AUTOIGNITION TEMPERATURE: No data

LOWER EXPLOSIVE LIMIT: N.A.  
UPPER EXPLOSIVE LIMIT: N.A.

EXTINGUISHING MEDIA:ALCOHOL FOAM,CO2, DRY CHEMICAL,FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may rupture or explode (due to pressure build-up) when exposed to extreme heat. Irritating and/or toxic gases or fumes may be generated by thermal decomposition or combustion.

SPECIAL FIREFIGHTING PROCEDURES: Use NIOSH-approved self-contained breathing apparatus and full protective clothing. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.

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|                               SECTION 6 - ACCIDENTAL RELEASE MEASURES                               |
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Reclaim clean material. Contaminated material should be swept or shoveled into appropriate waste container and disposed of in accordance with applicable federal, state and local regulations.

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|                               SECTION 7 - HANDLING AND STORAGE                               |
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HANDLING: Wash hands before eating. Avoid prolonged or repeated contact with skin. DO NOT take internally. FOR INDUSTRIAL USE ONLY.

STORAGE: Store away from heat. KEEP OUT OF THE REACH OF CHILDREN.

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|                               SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION                               |
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ENGINEERING CONTROLS: General ventilation usually adequate.

RESPIRATORY PROTECTION: None normally required under general ventilation. If exposure levels are unknown, if levels exceed TLV/PEL, or if effects occur, use NIOSH-approved dust/mist respirator in accordance with applicable health and safety regulations and manufacturer's recommendations.

SKIN PROTECTION: Clean clothing to cover skin. Cloth or synthetic gloves.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Accessible eye wash and safety shower.

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| SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION |  
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HYGIENIC PRACTICES: Follow good general industrial safety practices during use. DO NOT reuse empty containers without commercial clean or recondition. Follow all MSDS/label precautions even after container is emptied.

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| SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES |  
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BOILING RANGE	: N.A.	VAPOR DENSITY	: Is lighter than air
ODOR	: Mild oily	ODOR THRESHOLD	: No data
APPEARANCE	: Clear oily	EVAPORATION RATE	: Is slower than Butyl
SOLUBILITY IN H2O	: Insoluble		Acetate
FREEZE POINT	: No data	SPECIFIC GRAVITY	: 0.9606
VAPOR PRESSURE	: No data verylow	pH @ 100.0 %	: N/A
PHYSICAL STATE	: Liquid	VISCOSITY	: Low

COEFFICIENT OF WATER/OIL DISTRIBUTION: No data  
(See Section 16 for abbreviation legend)

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| SECTION 10 - STABILITY AND REACTIVITY |  
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CONDITIONS TO AVOID: Prolonged exposure to heat.  
INCOMPATIBILITY: No information.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon. Various hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

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| SECTION 11 - TOXICOLOGICAL PROPERTIES |  
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COMPONENT TOXICOLOGICAL INFORMATION: NO DATA

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| SECTION 12 - ECOLOGICAL INFORMATION |  
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ECOLOGICAL TEST DATA: No information.

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| SECTION 13 - DISPOSAL CONSIDERATIONS |  
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DISPOSAL METHOD: Review all current federal, state, and local regulations regarding health and disposal for appropriate disposal procedures. Not considered a hazardous waste per Federal RCRA regulations if disposed of in "as sold" condition. Treat free liquid as used oil.

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| SECTION 14 - TRANSPORTATION INFORMATION |  
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DOT PROPER SHIPPING NAME: Not regulated for transport

DOT TECHNICAL NAME: N/A

DOT HAZARD CLASS: N/A

HAZARD SUBCLASS: N/A

DOT UN/NA NUMBER: N/A

PACKING GROUP: N/A

RESP. GUIDE PAGE:

INTERNATIONAL SHIPPING NAME: Not considered a dangerous good for transport

INTERNATIONAL ID NUMBER: N/A

IMDG CLASS (1°,2°): N/A

IMDG PAGE NUMBER: N/A

IMDG EMS: N/A

IATA CLASS (1°,2°): N/A

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|                SECTION 15 - REGULATORY INFORMATION                |
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OSHA: Non-hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed, and is considered, under applicable definitions, to meet the following categories: NONE

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 and 40 CFR part 372:

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----- CHEMICAL NAME ----- CAS NUMBER   WT/WT % IS LESS THAN
No SARA Section 313 components exist in this product.

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TOXIC SUBSTANCES CONTROL ACT:

The chemical substances in this product are on the TSCA Section 8 Inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

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----- CHEMICAL NAME ----- CAS NUMBER
No components found.

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CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: NOT REGULATED

COMPONENT RCRA CLASSIFICATIONS: Not regulated

COMPONENT RCRA CODES: No information.

CERCLA RQ VALUE (MINIMUM): None known

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|                SECTION 16 - OTHER INFORMATION                |
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HMIS RATINGS - HEALTH: 0      FLAMMABILITY: 1      REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: none

REASON FOR REVISION: new product

VOLATILE ORGANIC COMPOUNDS (VOCS): 0 grams/ltr

LEGEND: N.A. - No information, N.E. - Not Established, N.D. - Not Determined

ABBREVIATIONS: ACGIH = American Conference of Governmental Industrial Hygienists; OSHA = US Occupational Health and Safety Administration; UK = United Kingdom; TLV-TWA = Threshold Limit Value-Time Weighted Average (8 hrs); STEL = Short-Term Exposure Limit (15 min); C = Ceiling Value; PEL = Permissible Exposure Limit

DISCLAIMER: To the best of our knowledge, the information contained in this MSDS is accurate or is obtained from sources believed to be accurate. However, no liability, expressed or implied, is assumed for the accuracy or completeness of the information contained herein. Buyer assumes liability in its use of the material.

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<END OF MSDS>