

Material Safety Data Sheet

SECTION 1- Chemical Product and Company Identification

Product Name: Part B Spike Hole Filler MDCO MSDS# E17001060
Use: One part of a two part polyurethane foam used to repair railroad ties

Encore Rail Systems, Inc.
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Broomfield, CO 80020
(303) 936-3641

Validation date: 05/19/2009

In Case of Emergency

Spills, Leaks, Fire, Exposure or Medical Emergency Call Chemtrec: (800) 424-9300

SECTION 2- Combustion / Information on Ingredients

Name:	Chemical Abstract Services number	Percent
Polyether Polyol blend	Proprietary not hazardous in normal industrial use	60% - 100%
Polyether Polyol	9049-71-2	3% - 7%
Polyether Polyol	9051-51-8	1% - 3%

SECTION 3- Hazards Identification

Physical state: Liquid
Emergency overview: Avoid contact with eyes, avoid prolonged contact with skin and clothing. Wash thoroughly after handling.
Potential Health effects: May be slightly irritating to skin & eyes.
Personnel Hazard: Spills can be slippery and present a fall hazard.

SECTION 4- First Aid Measures

Skin contact: Clean contaminated skin with ample water. Remove any contaminated clothing and shoes wash both thoroughly with water before reusing.
Eye contact: Flush eyes immediate with ample water for at least 15 minutes lifting eyelids occasionally. Remove any contact lenses. Seek immediate medical attention.
Inhalation: Move exposed person to fresh air. Keep person warm and at rest. If not breathing, or if breathing is irregular provide artificial respiration or oxygen.
Ingestion: Wash out mouth with water. Do not induce vomiting, unless directed to do so by medical personnel. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person.
Notes to physician: Supportive therapy as required and treat any symptomatic reactions / conditions that occur. In the case of severe exposure person should be monitored for no less than 48 hours or as determined by medical professional.

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SECTION 5- Fire Fighting Measures

Flash point:

Extinguishing media

Suitable:

Use an extinguishing material appropriate for surrounding fire.

Not suitable:

None known

Hazardous products of combustion: Carbon oxides, Nitrogen oxides, incomplete burnt carbon compounds

Special exposure hazards: None known

Special protective

equipment for fire fighters:

Fire fighters should wear appropriate protective equipment and full face, self contained breathing apparatus in a positive pressure mode of operation.

SECTION 6- Accidental Release Measures

Leak and spill procedures:

Spills can present slip hazards, keep unnecessary personal away. Contain spilled material. For small spills, add absorbent material (soil may be used in the absence of another suitable material), scoop material and absorbent with appropriate device into a sealable liquid tight container for disposal. For large spills contain spilled material with dike or otherwise insure that contained material does not spread or runoff towards waterways. Place spilled and contaminated material into a sealable container, suitable for liquids, for disposal. Transfer any material in leaking container immediately into a secure sealable container suitable for liquids.

SECTION 7- Handling and Storage

Handling:

Avoid exposure to body, use of personnel protective equipment including: protective footwear, gloves and safety glasses is recommended.

Storage:

Keep containers tightly closed. Keep in a cool well ventilated area. Protect from exposure to moisture.

SECTION 8- Exposure Control / Personal Protection

Consult local authorities for acceptable exposure limits.

Specific Engineering Controls:

Under normal use, in a spacious open air environment, airborne concentrations should be below the TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand. For more specific guidance consult the American Conference of Governmental Industrial Hygienists (ACGIH) or suitable local authority.

Personal protection

Hands / skin:

Chemical resistant, impervious gloves complying with industry standards should be worn when handling chemical products if an assessment of risk indicates this is required. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Eyes:

Safety eyewear complying with an approved safety standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or other airborne particles.

Respiratory:

If an assessment of risk indicates, a properly fitting, air-feeding or air purifying respirator complying with approved standards and any local laws should be used. Selection of a respirator should be selected based on expected or anticipated exposure levels, the hazards of the material and the recommended operating limits specified by the manufacture of the selected respirator.

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SECTION 9- Physical and Chemical Properties

Physical state:	Liquid
Color:	Clear yellow.
Odor:	Not available.
Odor threshold:	Not available.
Specific gravity:	Denser than water.
Vapor density:	Not available.
Vapor pressure:	Not available.
Flash point:	
Evaporation rate:	Not available.
Boiling point:	Not available.
Freezing point:	Not available, less than 10°F
pH:	Not available.
Coefficient of water / Oil distribution:	Not available.
Solubility in water:	Not available.

SECTION 10- Stability and Reactivity

Chemical stability:	This product is chemically stable
Reactive / Incompatibility:	Reactive or incompatible with: oxidizers, acids, and alkalis.
Hazardous decomposition products:	Carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂), and incomplete burnt carbon compounds.

SECTION 11- Toxicological Information

Effects of acute exposure:	May cause slight skin & eye irritation. No other know effects.
Effects of chronic exposure:	Certain individuals can develop skin rash with prolonged exposure. No other known effects
Skin sensitivity:	Certain individuals can develop skin rash with prolonged exposure.
Respiratory sensitivity:	No known effects
Carcinogenicity:	No known effects
Reproductive toxicity:	No known effects
Teratogenicity:	No known effects
Embrototoxicity:	No known effects
Mutagenicity:	No known effects

SECTION 12- Ecological Information

No known significant effects or critical hazards.

SECTION 13- Disposal Considerations

Waste disposal: The generation of waste should be minimized or avoided wherever possible. Collect spilled and contaminated material and contain in water tight container. Avoid dispersal of spilled material and runoff into: drains, soil, sewers, and waterways. Disposal of this product, products used to contain or collect and byproducts should at all times be disposed of in accordance with local waste disposal laws, regulations, and other applicable requirements.

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SECTION 14- Transport Information

DOT: Not regulated
TDG: Not regulated
IMO / ICAO: Not regulated
IATA: Not regulated

SECTION 15- Regulatory Information

OSHA: Not regulated
TSCA 8b: All components are listed or exempt

WHMIS Classification: Not regulated
CEPA (DSL): All components are listed or exempt

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

SECTION 16- Other Information

The information and recommendations in this material safety data sheet (MSDS) are the best of our knowledge, information and belief accurate at the time of creation. Nothing contained within this document is to be construed as a warranty, expressed or otherwise.

This product may present hazards and should be used with caution. Known hazards are described in this MSDS, no guarantee is made or indicated that the listed hazards are the only ones that exist. In all cases, it is the responsibility of the user to determine the applicability of this information and the suitability of this product for their use.

The hazards, toxicity, and the behavior of this product may differ when used with other material and are dependent upon the manufacturing circumstances or other processes. The hazards, toxicity, and behavior of this product should be evaluated by the user and make known to all personnel involved with the shipping, handling, application, and disposal of this material, as well as all personnel that may come in contact with this material in a manner not described above.

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