

SAFETY DATA SHEET



Date Prepared 8/6/2013
Date Revised 5/29/2015

CRACK FILLER PART B

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CRACK FILLER PART B
PRODUCT FAMILY: POLYOL
PRODUCT USE(S): POLYURETHANE INDUSTRIAL COATING
RESTRICTIONS ON USE(S): NO DATA AVAILABLE

MANUFACTURER
MIRABEL COATINGS, INC.
11803 N SAGUARO BLVD #14
FOUNTAIN HILLS, AZ 85268
480-837-5333

24 HR. EMERGENCY CONTACT NUMBERS
MIRABEL COATINGS: 480-837-5333

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Skin irritation: Category 2
Eye irritation: Category 2B
Carcinogenicity: Category 2

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

Causes serious eye irritation.
Causes skin irritation.
Suspected of causing cancer.
May be fatal if swallowed and enters airways.

PRECAUTIONARY STATEMENTS

Prevention:

Wash skin and face thoroughly after handling.
Wear eye and face protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical attention.

IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash before reuse. If skin irritation occurs: Get medical attention.

Storage:

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Disposal:

Dispose of contents and container in accordance with existing federal, state, and local environmental control laws.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components

Weight Percent	Components	CAS No.	Classification
<=60%	Polyether Polyol	Trade Secret	Eye irritation Category 2A.
<=60%	Aromatic Hydrocarbons	Trade Secret	Eye Irritation Category 2B.

The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation develops.

SKIN: Flush skin with water while removing contaminated clothing. Wash off with soap and water. If irritation occurs, get medical attention. Do not reuse clothing or shoes until cleaned.

INGESTION: Do NOT induce vomiting unless directed to do so by medical personnel. Wash mouth out with water. Call a physician immediately. Never give anything by mouth to an unconscious person.

INHALATION: If inhaled, remove to fresh air. Extreme asthmatic reactions that may occur in sensitized persons can be life threatening. Get medical attention immediately. Administer oxygen or artificial respiration as needed. Asthmatic symptoms may develop and may be immediate or delayed up to several hours.

MOST IMPORTANT SYMPTOM(S)/EFFECT(S)

ACUTE: Causes serious eye irritation with symptoms of reddening, tearing, swelling, and burning.

NOTES TO PHYSICIAN

EYES: No Data

SKIN: This compound may be a skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burn.

INGESTION: Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of the compound. Product can also be aspirated on swallowing or following regurgitation of stomach contents, and can cause severe and potentially fatal chemical pneumonitis, which will require urgent treatment. Because of the risk of aspiration, induction of vomiting and gastric lavage should be avoided. Gastric lavage should be undertaken only after endotracheal intubation. Monitor for cardiac dysrhythmias.

INHALATION: No Data

5. FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Dry chemical, Carbon dioxide (CO₂), Foam, water spray for large fires.

UNSUITABLE EXTINGUISHING MEDIA: High volume water jet

FIRE FIGHTING PROCEDURE

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize risk of rupture. During a fire, isocyanate vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion.

HAZARDOUS DECOMPOSITION PRODUCTS

By Fire and Thermal Decomposition: Carbon dioxide (CO₂), carbon monoxide (CO), Nitrogen oxides (NO_x), other aliphatic fragments which have not been determined.

UNUSUAL FIRE/EXPLOSION HAZARDS

Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Closed containers may forcibly rupture under extreme heat or when contents are contaminated with water (CO₂ formed). Use cold-water spray to cool fire-exposed containers to minimize risk of rupture.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES

Eliminate all ignition sources. Dike spill area and do not allow product to reach sewage system and surface ground water. Cover spill with inert material (e.g., dry sand or earth) and collect for proper disposal. Use appropriate personal protective equipment during clean up. Evacuate and keep unnecessary people out of spill area.

7. HANDLING AND STORAGE

Handling/Storage Precautions

Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Material is hygroscopic and may absorb small amounts of atmospheric moisture. If contamination with isocyanates is suspected, do not reseal containers. Avoid breathing dust, vapor, or mist. Avoid contact with eyes. Avoid contact with skin or clothing.

STORAGE PERIOD:

12 Months @ 25°C (77°F) after receipt of material by customer

Min Temperature: 15°C (59°F)

Max Temperature: 49°C (120.2°F)

STORAGE CONDITIONS:

Store separate from food products.

Employee education and training in the safe use and handling of this product are required under the OSHA Hazard Communication Standard 29 CFR 1910.1200.

SUBSTANCES TO AVOID:

Oxidizing agents, Isocyanates

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**POLYETHER POLYOL**

Country specific exposure limits have not been established or are not applicable.

AROMATIC HYDROCARBONS / NAPHTHALENE

US, ACGIH Threshold Limit Values

Time Weighted Average (TWA): 10 ppm 8 hours

US, OSHA Permissible Exposure Limits

Ceiling Limit Value: 10 ppm 8 hours

50 mg/m³ 8 hours

Any component which is listed in section 3 and is not listed in this section does not have a known ACGIH, TLV, OSHA PEL or supplier recommended occupational exposure limit.

ENGINEERING CONTROLS:

Provide exhaust ventilation sufficient to keep the airborne concentrations of this product below its exposure limits. If ventilation is not feasible the use of respirators and other personal protective equipment is mandated. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination. Curing ovens must be ventilated to prevent emissions into the workplace. If oven off-gases are not vented properly (i.e. they are released into the work area).

PERSONAL PROTECTIVE EQUIPMENT**RESPIRATORY**

None required under normal conditions of use.

HAND PROTECTION

Permeation resistant gloves, Viton gloves, 4H laminate gloves, Butyl rubber gloves, Nitrile rubber gloves.

EYE PROTECTION

Chemical safety goggles or safety glasses with side-shields., Chemical safety goggles in combination with a full face shield if a splash hazard exists.

SKIN PROTECTION

Avoid all skin contact. Depending on the conditions of use, cover as much of the exposed skin area as possible with appropriate clothing to prevent skin contact. Where spray mist/vapor is anticipated, permeation resistant clothing is recommended.

ADDITIONAL PROTECTIVE MEASURES

Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of this product. Follow all label instructions.

WORK HYGIENE PRACTICES

Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

COMMENTS

May be harmful or fatal if swallowed. May irritate body tissues. Use with adequate ventilation. Avoid breathing vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
ODOR:	Slight
APPEARANCE:	Amber / Cloudy
pH:	No Data Available
BOILING POINT:	260°C (500°F) Estimated based on components
FLASH POINT:	150°C (302°F) Estimated based on components
MELTING POINT:	No Data Available
EVAPORATION RATE:	No Data Available
LOWER EXPLOSION LIMIT:	No Data Available
UPPER EXPLOSION LIMIT:	No Data Available
VAPOR PRESSURE:	No Data Available
VAPOR DENSITY:	No Data Available
RELATIVE VAPOR DENSITY:	No Data Available
SPECIFIC GRAVITY:	approx. 1 @ 25°C (77°F)
SOLUBILITY IN WATER:	Insoluble
AUTO-IGNITION TEMPERATURE:	No Data Available
DECOMPOSITION TEMPERATURE:	No Data Available
VISCOSITY:	No Data Available
MOLECULAR WEIGHT:	No Data Available
POUR POINT:	No Data Available
VOC:	No Data Available

10. STABILITY AND REACTIVITY

HAZARDOUS REACTIONS

Hazardous polymerisation does not occur.

STABILITY

Stable under normal conditions of use and storage.

MATERIALS TO AVOID

Oxidizing agents, Isocyanates

CONDITIONS TO AVOID

Avoid all possible sources of ignition (spark or flame).

HAZARDOUS DECOMPOSITION PRODUCTS

By Fire and Thermal Decomposition: Carbon oxides, Nitrogen oxides (Nox), other aliphatic fragments which have not been determined.

11. TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE:

Skin Contact
Eye Contact
Inhalation

HEALTH EFFECTS AND SYMPTOMS

ACUTE

Causes serious eye irritation with symptoms of reddening, tearing, swelling, and burning.

TOXICITY DATA FOR POLYETHER POLYOL

TOXICITY NOTE

Date is based on similar products.

ACUTE ORAL TOXICITY

LD50: > 2000 mg/kg (rat, male/female) (OECD Test Guideline 401)

Studies of a comparable product.

ACUTE INHALATION TOXICITY

No Data Available

ACUTE DERMAL TOXICITY

LD50: > 2000 mg/kg (rabbit, male/female) (OECD Test Guideline 402)

Studies of a comparable product.

SKIN IRRITATION

Rabbit, OECD Test Guideline 404, Slightly Irritating

EYE IRRITATION

Rabbit, moderate irritant

Carcinogenicity:

No carcinogenic substances as defined by IARC, NTP and/or OSHA

TOXICITY DATA FOR AROMATIC HYDROCARBONS

TOXICITY TO REPRODUCTION/FERTILITY

No known significant effects or critical hazards.

DEVELOPMENTAL TOXICITY/TERATOGENICITY

No known significant effects or critical hazards.

Suspected of causing cancer. Risk of cancer depends on duration and level of exposure. No known significant effects or critical hazards.

OTHER INFORMATION

Aspiration of this material into the lungs can cause chemical pneumonia and can be fatal. Aspiration into the lungs can occur while vomiting after ingestion of this material.

Possible cancer hazard, based on skin-painting studies using laboratory animals, involving continuous, long-term contact.

Regular periodic self-inspection of the skin is recommended, especially those areas subject to contamination. In the event of any localized changes in appearance or texture of the skin being noticed, medical advice should be sought without delay.

Napthalene has been reported to cause developmental toxicity in mice after oral exposure to relatively high dose levels, but developmental toxicity was not observed in NTP (National Toxicology Program) sponsored studies in rats and rabbits. Ingestion or inhalation of naphthalene can result in hemolysis and other blood abnormalities, and individuals (an infants) deficient in glucos-6-phosphate dehydrogenase may be especially susceptible to these effects. Inhalation of naphthalene may cause headaches and nausea. Airborne exposure can result in eye irritation. Napthalene exposure has been associated with cataracts in animals and humans.

12. ECOLOGICAL INFORMATION

No data available for this product.
Please find the data for a similar product below.

ECOLOGICAL DATA FOR POLYETHER POLYOL BIODEGRADATION

aerobic, <50%, Exposure time: 28 d
Ecotoxicological reports on a comparable product

BIOACCUMULATION

No Data Available

ACUTE AND PROLONGED TOXICITY TO FISH

LC0: > 1,000 mg/l (Brachydanio rerio (Zebra fish), 96 h)

ACUTE TOXICITY TO AQUATIC INVERTEBRATES

No Data Available

TOXICITY TO AQUATIC PLANTS

No Data Available

TOXICITY TO MICROORGANISMS

EC0: > 1,000 mg/l, (activated sludge, 3h)
Ecotoxicological reports on a comparable product

ECOLOGICAL DATA FOR AROMATIC HYDROCARBONS

No Data Available

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Incineration is the preferred method. Do not dump into sewers, ground, or any body of water.

EMPTY CONTAINER PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue; observe all precautions for product. Do not heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed. Do not reuse without thorough commercial cleaning and reconditioning. If container is to be disposed, ensure all product residues are removed prior to disposal.

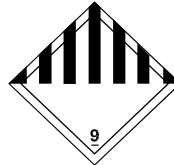
RCRA/EPA WASTE INFORMATION

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORT INFORMATION

LAND TRANSPORT (DOT)

PROPER SHIPPING NAME: Polyurethane Crack Filler Part B
HAZARD CLASS OR DIVISION: 9
UN/NA NUMBER: NA3082
PACKAGING GROUP: III
HAZARD LABEL(S): Class 9
ENVIRONMENTAL HAZARDS: Yes



RSPA/DOT REGULATED COMPONENTS:

Napthalene

REPORTABLE QUANTITY: 226 kg (500 lb) (Based on least RQ % of product in this mixture)

SEA TRANSPORT (IMDG): See Additional Transportation Information (Below)

ADDITIONAL TRANSPORTATION INFORMATION

Non-bulk packages of this product are not regulated as hazardous materials in package sizes less than the product reportable quantity, unless transported by inland waterway. The marine pollutant mark is not required when transported on inland waterways in sizes of $\leq 25L$ or ≤ 25 kg.

The product is not regulated as a dangerous good when transported by road or rail.

The marine pollutant mark is not required when transported in sizes of $\leq 25L$ or $\leq 25kg$ (based on % of least RQ in mixture).

Passenger and Cargo Aircraft: Quantity limitation: 1800 L - Packaging Instructions: 964

Limited Quantities Passenger Aircraft: Quantity limitation: 100kg - Packaging instructions: Y964.

15. REGULATORY INFORMATION

UNITED STATES FEDERAL REGULATIONS

US. TOXIC SUBSTANCES CONTROL ACT:

Listed on the TSCA Inventory

US. EPA CERCLA HAZARDOUS SUBSTANCES (40 CFR 302) COMPONENTS:

None

SARA SECTION 311/312 HAZARD CATEGORIES:

Acute Health Hazard

Chronic (Delayed) Health Hazard

US. EPA EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (EPCRA) SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE (40 CFR 355, APPENDIX A) COMPONENTS:

None

US. EPA EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (EPCRA) SARA TITLE III SECTION 313 EXTREMELY HAZARDOUS SUBSTANCE (40 CFR 372.65) - SUPPLIER NOTIFICATION REQUIRED COMPONENTS:

Napthalene

US. EPA RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) COMPOSITE LIST OF HAZARDOUS WASTES AND APPENDIX VIII HAZARDOUS CONSTITUENTS (40 CFR 261):

Under the RCRA, it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste. If discarded in purchased form this product is ignitable, hazardous waste.

STATE RIGHT-TO-KNOW INFORMATION

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

MASSACHUSETTS, NEW JERSEY OR PENNSYLVANIA RIGHT TO KNOW SUBSTANCE LISTS:

<u>WEIGHT PERCENT</u>	<u>COMPONENTS</u>	<u>CAS-NO.</u>
<= 60%	Polyether Polyol	Trade Secret
<=60%	Napthalene	91-20-3

CALIFORNIA PROP. 65:

This product contains a chemical known to the State of California to cause cancer: Napthlane; ethylbenzene.

Based on information provided by our suppliers, this product is considered "DRC Conflict free" as defined by the SEC Conflict Minerals Final Rule (Release No. 34-67716; File No. S7-40-10; Date: 08-22-2012).

16. OTHER INFORMATION

The method of hazard communication for Mirabel Coatings, Inc. is comprised of Product Labels and Safety Data Sheets (SDS).

The handling of products containing reactive HDI polyisocyanate/prepolymer and/or monomeric HDI requires appropriate protective measures referred to in this SDS. These products are therefore recommended only for use in industrial or trade (commercial) applications. They are not suitable for use in Do-It-Yourself applications.

NFPA CODES:



DATE REVISED:

5/29/2015

REVISION SUMMARY:

Conforming to the Globally Harmonized System SDS guidelines.

MANUFACTURER DISCLAIMER:

The information contained herein is based on the data available to us and is believed to be accurate. However, Mirabel Coatings, Inc. makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. The information in this SDS relates only to the specific material designated herein. Mirabel Coatings, Inc. assumes no legal responsibility for use of or reliance upon the information in this SDS, nor for injuries from the use of the product described herein.