

Diversified Bulkhead Fill DBF II (Part A)

**Manufactured Exclusively For
Diversified Products Mfg Inc.
5523 Baggett Marysville Rd.
Oroville, CA 95965
Ph: 530-534-3966**

Emergency Phone # 800-535-5053

Section 1 – Product Identity

PRODUCT NAME: DBF II Fill **Component A**
CHEMICAL FAMILY: Epoxy Resin

Section 2 – Composition/Information on Ingredients - Hazardous Ingredients

INGREDIENT NAME	CAS-Number	Approximate %
Bisphenol A/Diglycidyl Ether	25068-38-6	30-40%
Acrylated Polymer	Proprietary	10-20%
Mica	12001-26-2	10-20%
Alumino silicate	61132-18-1	15-25%

Section 3 – Physical Data

Boiling Point:	N/D	Specific Gravity:	1.1
Vapor Pressure:	N/D	Evaporation Rate:	Slower than Ether
Solubility in Water:	Negligible	Appearance:	Viscous Pigmented Liquid

Section 4 – Fire and Explosion Hazard Data

Flash Point: > 200C Method Used: Setflash
Flammable Limits in Air by Volume: Lower: N/A Upper: N/A
Extinguishing Media: Foam, Carbon dioxide, Dry Chemical, and Water Fog
Special Fire Fighting Procedures and Unusual Hazards: Wear NIOSH/MSHA approved respirators when fighting fires. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coat, gloves and rubber boots). Material will not burn unless preheated. Cool fire exposed containers with water.

Section 5 – Reactivity Data

Stability: Stable
Incompatibility: Strong oxidizers, strong lewis or mineral acids, and strong mineral or organic bases, especially primary and secondary aliphatic amines.
Reactions with some curing agents may produce considerable heat.
Hazardous Decomposition Products: Emits unknown toxic combustion products.
Hazardous Polymerization: Will not occur. Avoid uncontrolled reactions with epoxy products.

Section 6 – Environmental and Disposal Information

Action to take for Spills/Leaks: Soak up with absorbent material and remove to closed container. Wash area with mild detergent and water.
Waste Disposal Method: Handle disposal of waste material in manner which complies with local, state, province and federal regulations.

Section 7 – Health Hazard Data

Effects of Overexposure:
Primary routes of entry: Inhalation, skin and eye contact.
Skin Contact: Will cause irritation.
Eyes: This product is presumed to be moderately irritating to the eyes.
Skin Absorption: This product may cause mild to moderate skin irritation and possibly skin sensitization.
Ingestion: This product is considered to have a low order of acute oral toxicity.
Inhalation: May be irritating to the nose, throat and respiratory tract.
Chronic: Irritations may be evident as noted above. Skin sensitization (allergy) may be evidenced by rashes, especially hives.

Section 8 – First Aid

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Eyes: Flush with cool water for at least 15 minutes. Call a physician.
Skin: Wash thoroughly with soap and water. Discard contaminated clothing. Call a physician if necessary.
Ingestion: Call a physician. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Section 9 – Special Protection Information: HMIS Rating: G

Ventilation: Local Exhaust is recommended.
Personal Protective Equipment: Protective gloves and safety glasses should be worn. Eye wash facility and safety shower recommended. For fire conditions or exposure above TLV, wear NIOSH/MSHA approved regulators.

Section 10 – Additional Information

Shipping Information: Paint compound, not regulated
Storage Recommendation: Protect from freezing. Store in a cool dry place with adequate ventilation. Keep away from open flames and high temperatures.

Section 11. Other Information

HMIS RATINGS: Health 1 Flammability 0 Reactivity 1
0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Health Hazard

Diversified Products & Prevention Technologies method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS ratings are provided as a customer service.

Disclaimer

The Data set forth in this sheet is based on information provided by the suppliers of raw materials and chemicals used in the manufacture of Diversified's Products. Diversified Products Mfg Inc. provides this information in good faith, but makes no representation as to its comprehensiveness or its accuracy. This document is offered as a guide to a trained person, for appropriate precautionary handling. Persons using the product and receiving information must exercise independent judgment in determining the appropriateness of the use and safety information for their particular use. **DIVERSIFIED PRODUCTS MFG INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT. ACCORDINGLY DIVERSIFIED PRODUCTS MFG LLC WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM THE USE OR RELIANCE ON THIS INFORMATION.**

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Section 1 – Product Identity

PRODUCT NAME: DBF II Fill **Component B**
CHEMICAL FAMILY: Polysulfide

Section 2 – Composition/Information on Ingredients - Hazardous Ingredients

A hazard evaluation of this product has been performed. The components listed below are identified as hazardous chemicals under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

INGREDIENT NAME	CAS-Number	Approximate %
Carbon Black	1333-86-4	10-20%
Liquid Polysulfide	68611-50-7	60-70%
Alumino Silicate	61132-18-1	10-20%
Tris-2,4,6-(Dimethylaminomethyl) phenol	90-72-2	2-7%
Pentaerythritol Tetra 3 Mercaptopropionate 7	575-23-7	5-10%

Section 3 – Physical Data

% Non-volatiles (by weight)	99+	pH:	N/A
Vapor Density (Air=1)	>1	Solubility In Water:	Insoluble
Evaporation Rate:	N/A	Vapor Pressure (mmHg @ 25C):	Not Established
Specific Gravity (Water =1)	1.24	Boiling Point (@ 1 ATM):	N/A
Appearance:	Black Paste	Odor:	Mild Mercaptan

Note: The physical data presented above are typical values and should not be considered as a specification.

Section 4 – Fire and Explosion Hazard Data

Flash Point: > 200F, 93C Test Method: Setafash Closed Cup
Explosive Limits: LEL (%) : N/A UEL (%) : N/A
Autoignition Temperature: N/A
Extinguishing Media: Use agents for class A hazards (e.g. halogenated agents, foam, steam, water fog)
Special Fire Fighting Procedures and Unusual Hazards: Firefighters and others who may be exposed to the products of combustion should be equipped with NIOSH approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.
Unusual Fire and Explosion Hazards: None Known.

Section 5 – Reactivity Data

Stable Under Normal Conditions Of Storage And Use: Yes
Materials to avoid: Amines, Oxidizing Agents, Acids, Strong Bases
Hazardous Polymerization: Will not occur.
Thermal Decomposition Products: If heated to high temperatures, this product may emit the following compounds: Formaldehyde and/or aldehydes, oxides of sulfur, smoke, soot, and toxic fumes (e.g. carbon dioxide & carbon monoxide), low molecular weight hydrocarbons, hydrogen sulfide.

Section 6 – Environmental and Disposal Information

Response to spills: Stop discharge, if it can be performed safely, and contain material. If a substantial quantity is spilled, recover with pump or vacuum truck. Explosion-proof equipment should be used if this product is flammable or combustible. Otherwise, use an absorbent such as Fullers Earth, clay or other appropriate synthetic absorbent. Place contaminated material in a suitable container for disposal. Appropriate safety measures and protective equipment should be used.
Do not flush to sewer, stream or other bodies of water unless authorized to do so by appropriate government official.
Precautions: If airborne concentration exceeds established exposure limits (TLV or PEL), or if high airborne concentrations can occur, evacuate employees and ventilate the area.
A supplied air respirator or self-contained breathing apparatus (SCBA), should be used for entry into enclosed spaces, or in areas with inadequate ventilation.
Disposal Methods: if discarded in its original unused form, this product does not meet the definition of a RCRA hazardous waste under 40CFR 261. Nevertheless, it should be managed (stored/treated/disposed/etc.) at an authorized facility, in compliance with all applicable federal, state, and local requirements. Be sure to contact appropriate government environmental agencies if further disposal guidance is required.
Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based on environmental acceptability: (1) recycle or rework if at all feasible, (2) Incinerate at an authorized facility, or (3) Treat at an acceptable waste treatment facility.

Section 7 – Health Hazard Data

Primary routes of exposure: Inhalation -No, Skin and Eyes - Yes

Skin Contact: Slight incidental contact is not expected to produce adverse effects.

Eyes: Other than mechanical irritation, no adverse effects are expected.

Ingestion: Adverse effects are not expected

Inhalation: Under normal conditions of use, no adverse effects are expected.

Additional Effects: Depending on the route, frequency, and duration of exposure, toxicity may occur in the following organs and/or systems: eye.

Aggravation of existing conditions: Exposure to this product is not expected to contribute to, worsen, or aggravate any existing medical conditions.

Section 8 – Exposure Controls/Personal Protection

Eye Protection: Wear safety glasses. An eye wash facility should be readily available.

Skin Protection: Wear protective clothing and appropriate impervious gloves. Because a variety of protective gloves exist, always consult glove manufacturer to determine the proper type for specific operation.

Respiratory Protection: When established airborne exposure limits are surpassed (see airborne exposure limits in this section) wear NIOSH/MSHA approved equipment.

Determine the appropriate type of equipment for the specific application by consulting the respirator manufacturer. Observe the respirator use limitations specified by NIOSH/MSHA or the manufacturer. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. In addition, respiratory protection programs must be in compliance with 29 CFR 1910.134.

Ventilation: Minimize exposure by providing adequate ventilation. General (dilution) ventilation may be acceptable. However, local exhaust ventilation is recommended when vapors, mists, or dusts can be released.

Personal Hygiene: Wash thoroughly after handling, especially before eating, drinking, smoking or using restroom facilities. Contaminated clothing and shoes should be thoroughly cleaned and dried before reuse.

Airborne Exposure Limits:

Carbon Black	ACGIH TLV-TWA:	3.5 mg/m3	OSHA PEL:	3.5 mg/m3
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Note: Because of this products physical composition, the release or generation of a dust is not expected to occur under normal conditions of use.

Section 9 – First Aid

Inhalation: Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration, preferably mouth to mouth.

Eyes: Flush with water for at least 15 minutes. If irritation develops, consult a physician.

Skin: Remove contaminated clothing and shoes. Wash affected area with soap and water. If irritation develops, consult a physician.

Wash contaminated clothing separately before reuse.

Ingestion: Seek medical attention. Unless advised otherwise, induce vomiting by giving either Syrup of Ipecac followed by 2 glasses of water or by sticking finger down throat.

Do not give anything by mouth if the person is drowsy, unconscious, or has no gag reflex.

Note to physician: Treatment should be directed at preventing absorption, administering to the symptoms as they occur, and providing supportive therapy.

Section 10 – Special Protection Information

Recommended Storage Practice And Conditions: Store in cool, dry, well ventilated area. Do not store above 110F, 43C.

Container use Procedures: No special precautions are needed. Follow good manufacturing and handling practices.

Empty Container Precautions: This container can be hazardous when empty, because it can retain residues. Therefore, do not reuse container for food, clothing or products for human or animal consumption or where skin contact may occur.

Section 11 – Toxicity Data

The information in this section, though detailed, can be subject to misinterpretation. Therefore, it is essential the following information be interpreted by individuals trained in its evaluation.

CARBON BLACK

Toxic Effects: Can cause mechanical irritation and discoloration of the eyes and skin. Inhalation can cause irritation to the nose and respiratory tract. Prolonged and repeated inhalation can affect the pulmonary system causing difficulty in breathing, chest pain, and general weakness.

Carcinogenicity – Listed by:

ACGIH:	No	NTP Annual Report:	No
IARC Monographs:	No	OSHA:	No

Section 12 – Ecological Data

No Data available on this Product

Section 13 – Transportation Information

DOT Shipping Name: Non – Bulk

DOT Label: Amines, Liquid, Corrosive

N.O.S. (Tris-2,4,6-(Dimethylaminomethyl Phenol) /8//

UN 2924//PG III// NAERG Guide No: 153

Section 14 – Regulatory Information

Toxic Substance Control Act (TSCA): The chemical components of this product are contained on the section 8(B) chemical substance inventory list (40CFR 710).

SARA Title III Information:

Section 313 – Toxic Chemicals: Pursuant to Section 313 of SARA Title III, this product does not contain a toxic chemical in excess of 1 percent of the mixture (0.1 percent, if the listed toxic chemical is a carcinogen)

Section 302 – Extremely Hazardous Substances: Pursuant to Section 302 of SARA Title III, the physical and health hazard categories for this product are identified below:

Fire Hazard:	No	Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	No	Immediate (Acute) Health Hazard:	No
Delayed (Chronic) Health Hazard:	No		

Section 15 – Additional Information

A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health hazard and safety information contained herein should be passed on to your customers or employees, as the case may be.

Section 16 - Other Information

HMIS RATINGS: Health 13 Flammability 1 Reactivity 0
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