

Safety Data Sheet (SDS)

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2020-04-14

Section 1 - Product and Company Information

Product Name: Flex Filler 2 (A-Side)

Product Part Number(s): 2000-CA,

Recommended Use: Flexible and Rigid Epoxy Filler for plastic.

COMPANY IDENTIFICATION:

Polyvance
1128 Kirk Rd.
Rainsville, AL 35986

Information email: info@polyvance.com

EMERGENCY TELEPHONE NUMBER:

24 Hour Emergency contact: Chemtrec: 1-800-424-9300
Outside US: 703-527-3887

Customer Information Number: 256-638-4103 (7AM - 4PM (CST) M-F)

Section 2 - Hazards Identification

Appearance: White high viscosity liquid

Odor: Rotten cabbage smell (mercaptan)

Hazard Statement:

May be harmful if swallowed. Causes skin irritation. Causes eye irritation.

Signal Word:

Signal Word Hazard:

GHS Physical Hazard Pictogram	GHS Health Hazard Pictogram(s)	GHS Environmental Hazard Pictogram
Not Applicable	 Irritant	Not Applicable

GHS Hazards Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Health	H303	May be harmful if swallowed
Health	H315	Causes skin irritation
Health	H320	Causes eye irritation

Precautionary Statement:

Keep out of reach of children. Read label before use. Do not get in eyes, on skin, or on clothing.

GHS Precautionary Statement Codes for This Product

Statement Type	Statement Code	Statement Text
General	P102	Keep out of reach of children
General	P103	Read label before use
Prevention	P262	Do not get in eyes, on skin, or on clothing

Potential Health Effects

Eye Contact:	Skin: Slightly irritating. Prolonged exposure may cause allergic reaction in susceptible individuals. Eye: Mildly irritating.
Skin Absorption:	Redness, allergy reaction, eczema, or skin conditions.
Inhalation:	May result in irritation of nose, throat, and respiratory tract.
Ingestion:	Slightly toxic. May cause irritation of throat, mouth, and gastrointestinal irritation.

Section 3 - Composition / Information on Ingredients

Component	CAS #	ENIECS	REACH Reg. No.	Amount
Formaldehyde Polymer	25155-81-1			1 - 5%
DiVinyl Benzene	1321-74-0			1 - 5%
Mercaptan-terminated polymer	Proprietary			50 - 60%
2,4,6 Tri(dimethylaminomethyl) Phenol	90-72-2			5 - 10%
Talc	14807-96-6			20 - 30%
Titanium Dioxide	13463-67-7			1 - 5%
Cellulose Fiber	65996-61-4			1 - 5%
Fumed Silica	112945-52-5			1 - 5%
Thixotropic Amide Wax	00110-30-5			1 - 5%

Section 4 - First Aid Measures

Eye Contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Skin Contact:	Wash with soap and water and rinse thoroughly.
Medical Conditions Aggravated by Exposure:	Respiratory tract, skin and gastrointestinal irritation.

Section 5 - Firefighting Measures

Extinguishing Media:	Foam, alcohol foam. CO2, Dry Chemical, Water Fog
Unusual Fire or Explosion Hazards:	None
Fire Fighting Procedures:	Large fire - use self contained breathing apparatus

Section 6 - Accidental Release Measures

Methods For Clean Up:	Soak up with absorbent material and place in ventilated waste container for disposal.
Methods for Containment:	Dispose of in an approved chemical waste landfill or incinerate in accordance with applicable federal, state and local regulations. Do not contaminate lakes, streams, or other water supplies.

Section 7 - Handling and Storage

General Handling Practices:	Keep out of reach of children. Keep tightly closed. Eating, drinking, and smoking should be prohibited where there is potential exposure to toxic material. For professional use only. Not intended for sale to the general public.
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Storage Requirements: Store in a cool, dry, well ventilated place. Keep tightly closed to prevent leakage and retain activity. Store away from open flames. Prevent skin and eye contact with appropriate clothing and safety glasses. Avoid inhalation of dust generated during machining after cure.

Section 8 - Precautions to Control Exposure / Personal Protection

Component	Source	Type	Value	Remarks
DiVinyl Benzene	ACGIH	TLV	10 ppm	TWA
Talc	NIOSH	TWA	2mg/m3	TWA
Talc	OSHA	TWA	2mg/m3	TWA
Talc	ACGIH	TLV	2 mg/m3	TWA

Personal Protective Equipment (PPE):

Eye / Face Protection: Safety glasses with side shields.

Skin Protection: Rubber or plastic.

Respiratory Protection: When used in confined area, an approved chemical/mechanical filter, designed to remove a combination of particles and vapors, should be used.

Hygienic Measures: Wash hands before eating, smoking, or using the washroom.

Other Protection Measures: Wear impervious clothing and boots. Eye wash stations and safety showers should be available.

Engineering Controls: Provide sufficient mechanical, general, or local exhaust.

HMIS Personal Protection: E



Section 9 - Physical and Chemical Properties

Appearance: Almost white

Color: White

Odor: Mercaptan (rotten cabbage)

Odor Threshold: No data available

pH: No data available

Melting Point: No data available

Freezing Point: No data available

No data available

Boiling Range: No data available

Flash Point: 65 C (150 F)

Evaporation Rate: No data available

Flammability: No data available

Upper Flammability Limit: 6.2

Lower Flammability Limit: 0.7

Vapor Pressure: No data available

Vapor Density: Heavier than air

Specific Gravity: 1.3

Solubility in Water: Not Soluble

Partition Coefficient: No data available
Autoignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available

Section 10 - Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Excessive heat, open flame

Incompatible Materials: Strong oxidizing agents, epoxy resins and amines.

Hazardous Decomposition Products: CO, CO₂, H₂S, Oxides of sulfur and nitrogen

Hazardous Polymerization: Will Not Occur

Section 11 - Toxicological Information

Ingestion Toxicity: No data available

Skin Absorption: No data available

Inhalation: No data available

Sensitization: No data available

Acute Dose: No data available

Repeated Dose: No data available

Carcinogenicity: No data available

Corrosivity: No data available

Neurological: No data available

Reproductive: No data available

Genetic: No data available

Developmental: No data available

Eye Irritation: No data available

Skin Irritation: No data available

Target Organs: No data available

Section 12 - Ecological Information

EcoToxicity: No data available

Persistence/Degradability: No data available

Bioaccumulation: No data available

Mobility / Partitioning: No data available

Other Adverse Effects: No data available

Section 13 - Disposal Considerations

Disposal Method: Dispose of in an approved chemical waste landfill or incinerate in accordance with applicable federal, state and local regulations. Do not contaminate lakes, streams, or other water supplies.

Container Disposal: Disposal must be made according to official regulations.

Section 14 - Transport Information

DOT

Proper Shipping Name: Adhesive NOI

IMDG (Maritime transport)

Proper Shipping Name: Adhesive NOI

IATA (Air transport)

Proper Shipping Name: Adhesive NOI

Section 15 - Regulatory Information

Superfund Amendments and Reauthorization Act of 1986 (Emergency Planning and Community Right-to-Know Act of 1986)
Sections 311 and 312

Immediate (Acute) Health Hazard: Not available

Delayed (Chronic) Health Hazard: Not available

Fire Hazard: Not available

Reactive Hazard: Not available

Sudden Release of Pressure: Not available

The following lists hazardous components and the regulatory lists for which they are required to be reported.

Component: 2,4,6 Tri(dimethylaminomethyl) Phenol

CAS: 90-72-2

Amount: 5 - 10%

2,4,6 Tri(dimethylaminomethyl) Phenol is on the California Prop 65 Cancer list.

Component: Cellulose Fiber

CAS: 65996-61-4

Amount: 1 - 5%

Cellulose Fiber is listed with Pennsylvania Right to Know.

Component: DiVinyl Benzene

CAS: 1321-74-0

Amount: 1 - 5%

DiVinyl Benzene is listed with Massachusetts Right to Know.

DiVinyl Benzene is listed with Pennsylvania Right to Know.

Component: Mercaptan-terminated polymer

CAS: Proprietary

Amount: 50 - 60%

Mercaptan-terminated polymer is listed with New Jersey Right to Know.

Component: Talc

CAS: 14807-96-6

Amount: 20 - 30%

Talc is listed with the Illinois toxic substances disclosure to employee act.

Talc is listed with Minnesota Right to Know.

Talc is listed with Pennsylvania Right to Know.

Talc is listed with Rhode Island Right to Know.

Component: Titanium Dioxide

CAS: 13463-67-7

Amount: 1 - 5%

Titanium Dioxide is listed with the Illinois toxic substances disclosure to employee act.

Titanium Dioxide is listed with Massachusetts Right to Know.

Titanium Dioxide is listed with Minnesota Right to Know.

Titanium Dioxide is listed with New Jersey Right to Know.

Titanium Dioxide is listed with Pennsylvania Right to Know.

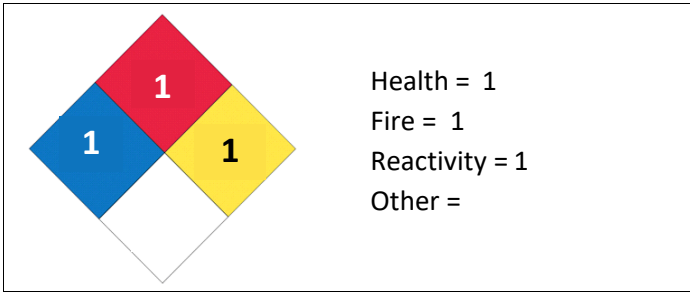
Titanium Dioxide is listed with Rhode Island Right to Know.

is listed with the Occupational Safety and Health Administration (OSHA) as a possible carcinogen.

HMIS Rating (0 - 4)

HEALTH	1	Health = 1
FIRE	1	Fire = 1
PHYSICAL	1	Physical = 1
PERSONAL PROTECTION	E	Personal Protection = E

NFPA Ratings



Section 16 - Other Information

Legend

ACGIH	American Conference of Governmental Hygienists
CFR	Code of Federal Regulations
DFG	Deutsche Forschungsgemeinschaft
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
MAK	Maximum Allowable Concentration (German)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OEL	Occupational Exposure Limit
RCRA	Resource Conservation and Recovery Act
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

DISCLAIMER

This Safety Data Sheet (SDS) is prepared in compliance with GHS Hazcom 2012. The information may be based in part on information provided by component suppliers and is believed to be correct as of the date hereof. However, no warranty or merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of this data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we assume no responsibility for the result of its use. This information and material is furnished on the condition that the person receiving it shall make his/her own determination as to the suitability of the material for his/her particular purpose and on the condition that he/she assume the risk of his/her use thereof.

Safety Data Sheet (SDS)

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2020-04-15

Section 1 - Product and Company Information

Product Name: Flex Filler 2 (B-Side) - cartridge

Product Part Number(s): 2000-CB,

Recommended Use: Flexible and Rigid Epoxy Filler for plastic.

COMPANY IDENTIFICATION:

Polyvance
1128 Kirk Rd.
Rainsville, AL 35986

Information email: info@polyvance.com

EMERGENCY TELEPHONE NUMBER:

24 Hour Emergency contact: Chemtrec: 1-800-424-9300
Outside US: 703-527-3887

Customer Information Number: 256-638-4103 (7AM - 4PM (CST) M-F)

Section 2 - Hazards Identification

Appearance: Black, high-viscosity liquid

Odor: Slight ether odor

Hazard Statement:

May be harmful if swallowed. Causes skin irritation. Causes eye irritation.

Signal Word:

Signal Word Hazard:

GHS Physical Hazard Pictogram	GHS Health Hazard Pictogram(s)	GHS Environmental Hazard Pictogram
Not Applicable	 Irritant	Not Applicable

GHS Hazards Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Health	H315	Causes skin irritation
Health	H303	May be harmful if swallowed
Health	H320	Causes eye irritation

Precautionary Statement:

Keep out of reach of children. Read label before use. Do not get in eyes, on skin, or on clothing.

GHS Precautionary Statement Codes for This Product

Statement Type	Statement Code	Statement Text
General	P102	Keep out of reach of children
General	P103	Read label before use
Prevention	P262	Do not get in eyes, on skin, or on clothing

Potential Health Effects

- Eye Contact:** Skin: Slightly irritating. Prolonged exposure may cause allergic skin reaction in susceptible individuals.
- Skin Absorption:** Redness, allergy reaction, eczema or skin conditions.
- Inhalation:** May result in irritation of nose, throat, and respiratory tract.
- Ingestion:** Slightly toxic, may cause irritation of throat, mouth and gastrointestinal irritation.
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Section 3 - Composition / Information on Ingredients

Component	CAS #	ENIECS	REACH Reg. No.	Amount
Aliphatic petroleum Naphthas	64742-89-8			<1%
Epichlorohydrin-polyglycol reaction product	9072-62-2			12 - 17%
Epichlorohydrin-polyglycol reaction product	2142-30-3			18 - 22%
Calcium Carbonate	471-34-1			45 - 50%
Epoxy Resin	26142-30-3			5 - 10%
Epoxy Resin	41638-13-5			5 - 10%
Fumed Silica	112945-52-5			1 - 5%
Cellulose Fiber	65996-61-4			1 - 5%

Section 4 - First Aid Measures

- Eye Contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- Skin Contact:** Wash with soap and water and rinse thoroughly.
- Medical Conditions Aggravated by Exposure:** Respiratory tract, skin, and gastrointestinal irritation.
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Section 5 - Firefighting Measures

- Extinguishing Media:** Foam, alcohol foam, CO2, Dry Chemical, Water fog
- Unusual Fire or Explosion Hazards:** Combustion and combustion products may be toxic.
- Fire Fighting Procedures:** For large fires, use self contained breathing apparatus
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Section 6 - Accidental Release Measures

- Methods For Clean Up:** Soak up with absorbent material and place in ventilated waste container for disposal.
- Methods for Containment:** Dispose of in accordance to applicable federal, state and local regulations. Do not contaminate lakes, streams, or other water supplies.
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Section 7 - Handling and Storage

- General Handling Practices:** Keep out of reach of children. Keep tightly closed. Eating, drinking and smoking should be prohibited where there is potential exposure to toxic material.
- Storage Requirements:** Store in a cool, dry, well ventilated place. Keep tightly closed to prevent leakage and retain activity. Store away from open flames. Prevent skin and eye contact with appropriate clothing
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and safety glasses.

Section 8 - Precautions to Control Exposure / Personal Protection

Component	Source	Type	Value	Remarks
Aliphatic Petroleum Naphthas	OSHA	PEL	400 ppm	STEL
Aliphatic Petroleum Naphthas	ACGIH	TLV	300 ppm	TWA
Aliphatic Petroleum Naphthas	OSHA	PEL	300 ppm	TWA

Personal Protective Equipment (PPE):

Eye / Face Protection: Safety glasses with side shields.

Skin Protection: Rubber or plastic.

Respiratory Protection: When used in a confined area, an approved chemical/mechanical filter, designed to remove a combination of particles and vapors, should be used.

Hygienic Measures: Wash hands before eating, smoking, or using the wash room.

Other Protection Measures: Wear impervious clothing and boots. Eye wash stations and safety showers should be available.

Engineering Controls: Provide sufficient mechanical, general, or local exhaust ventilation.

HMIS Personal Protection: E



Section 9 - Physical and Chemical Properties

Appearance: Black, slight ether odor

Color: Black

Odor: Slight ether odor

Odor Threshold: Not determined

pH: Not determined

Melting Point: No data available

Freezing Point: No data available

No data available

Boiling Range: No data available

Flash Point: 65 F (150 F)

Evaporation Rate: No data available

Flammability: No data available

Upper Flammability Limit: 6

Lower Flammability Limit: 0.9

Vapor Pressure: No data available

Vapor Density: Heavier than air

Specific Gravity: 1.7

Solubility in Water: Not Soluble

Partition Coefficient: No data available

Autoignition Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

Section 10 - Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Extreme heat, open flames

Incompatible Materials: Strong oxidizing agents, mercaptans, strong acids, bases and amines.

Hazardous Decomposition Products: CO, CO₂, H₂S, HCl, and oxides of nitrogen.

Products:

Hazardous Polymerization: Will Not Occur

Section 11 - Toxicological Information

Ingestion Toxicity: Not available

Skin Absorption: Not available

Inhalation: Not available

Sensitization: Not available

Acute Dose: Not available

Repeated Dose: Not available

Carcinogenicity: Not available

Corrosivity: Not available

Neurological: Not available

Reproductive: Not available

Genetic: Not available

Developmental: Not available

Eye Irritation: Not available

Skin Irritation: Not available

Target Organs: Not available

Section 12 - Ecological Information

EcoToxicity: Not available

Persistence/Degradability: Not available

Bioaccumulation: Not available

Mobility / Partitioning: Not available

Other Adverse Effects: Not available

Section 13 - Disposal Considerations

Disposal Method: Dispose of in accordance to applicable federal, state and local regulations. Do not contaminate lakes, streams, or other water supplies.

Container Disposal: Disposal must be made according to official regulations.

Section 14 - Transport Information

DOT

Proper Shipping Name: Adhesive NOI

IMDG (Maritime transport)

Proper Shipping Name: Adhesive NOI

IATA (Air transport)

Proper Shipping Name: Adhesive NOI

Section 15 - Regulatory Information

Superfund Amendments and Reauthorization Act of 1986 (Emergency Planning and Community Right-to-Know Act of 1986)
Sections 311 and 312

Immediate (Acute) Health Hazard: Not available

Delayed (Chronic) Health Hazard: Not available

Fire Hazard: Not available

Reactive Hazard: Not available

Sudden Release of Pressure: Not available

The following lists hazardous components and the regulatory lists for which they are required to be reported.

Component: Aliphatic petroleum Naphthas

CAS: 64742-89-8

Amount: <1%

Aliphatic petroleum Naphthas is listed with New Jersey Right to Know.

Component: Cellulose Fiber

CAS: 65996-61-4

Amount: 1 - 5%

Cellulose Fiber is listed with Pennsylvania Right to Know.

Component: Epoxy Resin

CAS: 41638-13-5

Amount: 5 - 10%

Epoxy Resin is listed with New Jersey Right to Know.

Epoxy Resin is listed with Pennsylvania Right to Know.

Component: Epoxy Resin

CAS: 26142-30-3

Amount: 5 - 10%

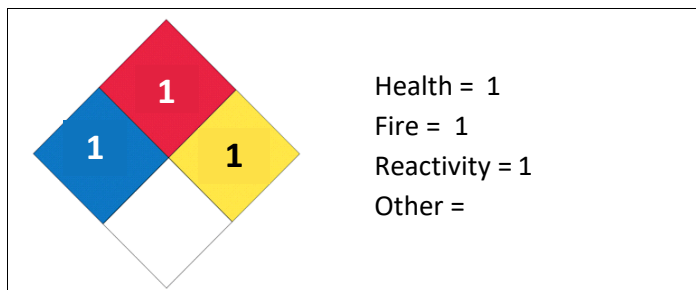
Epoxy Resin is listed with New Jersey Right to Know.

Epoxy Resin is listed with Pennsylvania Right to Know.

HMIS Rating (0 - 4)

HEALTH	1	Health = 1
FIRE	1	Fire = 1
PHYSICAL	1	Physical = 1
PERSONAL PROTECTION	E	Personal Protection = E

NFPA Ratings



Section 16 - Other Information

Legend

ACGIH	American Conference of Governmental Hygenists
CFR	Code of Federal Regulations
DFG	Deutsche Forschungsgemeinschaft
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
MAK	Maximum Allowable Concentration (German)

NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OEL	Occupational Exposure Limit
RCRA	Resource Conservation and Recovery Act
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

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