

Safety Data Sheet

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2016-04-18

Section 1 - Product and Company Information

Product Name: Flex Filler 2 (A-Side)

Product Part Number(s): 2000-1A, 2000-CA, 2000-TA

Recommended Use: Flexible and Rigid Epoxy Filler for plastic.

Revision Date (YYYY-MM-DD):

COMPANY IDENTIFICATION:

Polyvance

1128 Kirk Rd.

Rainsville, AL 35986

Information Email: info@polyvance.com

EMERGENCY TELEPHONE NUMBER

24 Hour Emergency Contact

Customer Information Number

Chemtrec - 1-800-424-9300 (Outside USA 703-527-3887)

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.

GHS Physical Hazard Pictograms	GHS Health Hazard Pictograms	GHS Environmental Hazard Pictograms
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
2,4,6 Tri(dimethylaminomethyl) Phenol	90-72-2			5 - 10%
Cellulose Fiber	65996-61-4			1 - 5%
DiVinyl Benzene	1321-74-0			1 - 5%
Formaldehyde Polymer	25155-81-1			1 - 5%
Fumed Silica	112945-52-5			1 - 5%
Mercaptan-terminated polymer	Proprietary			50 - 60%
Talc	14807-96-6			20 - 30%
Thixotropic Amide Wax	00110-30-5			1 - 5%
Titanium Dioxide	13463-67-7			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

Fire Fighting Procedures: Large fire - use self contained breathing apparatus

Unusual Fire and Explosion Hazards: None

Section 6 - Accidental Release Measures

Steps to be Taken if Material is Released or Spilled: Soak up with absorbent material and place in ventilated waste container for disposal.

Personal Precautions:

Environmental Precautions:

Section 7 - Handling and Storage

General Handling: 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.

Other Precautions:

Storage: 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
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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.



Section 9 - Physical and Chemical Properties

Appearance:	Almost white
Color:	White
Odor:	Mercaptan (rotten cabbage)
ph:	No data available
Flash Point:	65°C (150°F)
Upper Flammable Limit:	6.2
Lower Flammable Limit:	0.7
Autoignition Temperature:	No data available
Vapor Pressure:	No data available
Boiling Point:	No data available
Vapor Density:	Heavier than air
Specific Gravity:	1.3
Freezing Point:	No data available
Melting Point:	No data available
Solubility in Water:	Not Soluble
Evaporation Rate:	No data available
Partition Coefficient:	No data available
Decomposition Temperature:	No data available
Visosity:	No data available

Section 10 - Stability and Reactivity

Stability/Instability: Stable

Conditions To Avoid: Excessive heat, open flame

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

Hazardous Polymerization: Will Not Occur

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

Section 11 - Toxicological Information

Acute Toxicity

Ingestion

No data available

Skin Absorption

No data available

Inhalation

No data available

Sensitization

No data available

Acute Dose

No data available

Repeated Dose Toxicity

No data available

Chronic Toxicity and Carcinogenicity

No data available

Corrosivity

No data available

Neurological

No data available

Reproductive Toxicity

No data available

Genetic Toxicity

No data available

Eye Irritation

No data available

Skin Irritation

No data available

Target Organs

No data available

Section 12 - Ecological Information

ECOTOXICITY

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

ECOTOXICITY

Not available

Movement & Partitioning

Inert material

Persistence and Degradability

This product is biodegradable

ECOTOXICITY

Not determined

Bioaccumulation:
Inherently biodegradable

Movement & Partitioning
Not determined

Persistence and Degradability
Not determined

ECOTOXICITY
Not determined

Bioaccumulation:
Not determined

Other Adverse EffectsNot determined

Movement & Partitioning
Not Available

Persistence and Degradability
Not Available

ECOTOXICITY
Not established

Bioaccumulation:
Not Available

Movement & Partitioning
Not available

Persistence and Degradability
Not available

ECOTOXICITY
Not available

Bioaccumulation:
Not available

Other Adverse EffectsNot available

ECOTOXICITY
Toxic to terrestrial and aquatic plants and animals. Do not release to the environment.

ECOTOXICITY
Water hazard class 3: extremely hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities.

ECOTOXICITY
Toxic to terrestrial and aquatic plants and animals. Do not release to the environment.

Movement & Partitioning
No data available

Persistence and Degradability
No data available

ECOTOXICITY
No data available

Bioaccumulation:

No data available

Other Adverse EffectsNo 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

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

Component: Mercaptan-terminated polymer

CAS Number: Proprietary

Amount: 50 - 60%

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

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

CAS Number: 90-72-2

Amount: 5 - 10%

2,4,6 Tri(dimethylaminomethyl) Phenol is known to the State of California to cause cancer.

2,4,6 Tri(dimethylaminomethyl) Phenol is listed with Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

Component: Talc

CAS Number: 14807-96-6

Amount: 20 - 30%

Talc is listed with Pennsylvania Right to Know.

Talc is listed with Rhode Island Right to Know.

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

Talc is listed with Minnesota Right to Know.

Component: Titanium Dioxide

CAS Number: 13463-67-7

Amount: 1 - 5%

Titanium Dioxide is listed with Pennsylvania Right to Know.

Titanium Dioxide is listed with Massachusetts Right to Know.

Titanium Dioxide is listed with Rhode Island Right to Know.

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

Titanium Dioxide is listed with New Jersey Right to Know.

Titanium Dioxide is listed with Minnesota Right to Know.

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

Component: Cellulose Fiber

CAS Number: 65996-61-4

Amount: 1 - 5%

Cellulose Fiber is listed with Pennsylvania Right to Know.

Component: DiVinyl Benzene

CAS Number: 1321-74-0

Amount: 1 - 5%

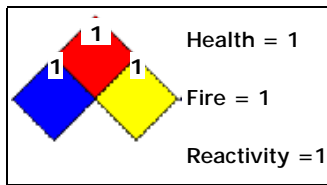
DiVinyl Benzene is listed with Pennsylvania Right to Know.

DiVinyl Benzene is listed with Massachusetts Right to Know.

HMIS Rating (Scale 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

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 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

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2016-04-18

Section 1 - Product and Company Information

Product Name: Flex Filler 2 (B-Side)

Product Part Number(s): 2000-1B, 2000-CB, 2000-TB

Recommended Use: Flexible and Rigid Epoxy Fillerfor plastic.

Revision Date (YYYY-MM-DD):

COMPANY IDENTIFICATION:

Polyvance

1128 Kirk Rd.

Rainsville, AL 35986

Information Email: info@polyvance.com

EMERGENCY TELEPHONE NUMBER

24 Hour Emergency Contact

Customer Information Number

Chemtrec - 1-800-424-9300 (Outside USA 703-527-3887)

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.

GHS Physical Hazard Pictograms	GHS Health Hazard Pictograms	GHS Environmental Hazard Pictograms
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 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.

Section 3 - Composition/Information on Ingredients

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

Fire Fighting Procedures: For large fires, use self contained breathing apparatus

Unusual Fire and Explosion Hazards: Combustion and combustion products may be toxic.

Section 6 - Accidental Release Measures

Steps to be Taken if Material is Released or Spilled: Soak up with absorbent material and place in ventilated waste container for disposal.

Personal Precautions:

Environmental Precautions:

Section 7 - Handling and Storage

General Handling: Keep out of reach of children. Keep tightly closed. Eating, drinking and smoking should be prohibited where there is potential exposure to toxic material.

Other Precautions:

Storage: 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.

Section 8 - Precautions to Control Exposure / Personal Protection

Component	Source	Type	Value	Remarks
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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.



Section 9 - Physical and Chemical Properties

Section 10 - Stability and Reactivity

Stability/Instability: Stable

Conditions To Avoid: Extreme heat, open flames

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

Hazardous Polymerization: Will Not Occur

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

Section 11 - Toxicological Information

Acute Toxicity

Ingestion

Not available

Skin Absorption

Not available

Inhalation

Not available

Sensitization

Not available

Acute Dose

Not available

Repeated Dose Toxicity

Not available

Chronic Toxicity and Carcinogenicity

Not available

Corrosivity

Not available

Neurological

Not available

Reproductive Toxicity

Not available

Genetic Toxicity

Not available

Eye Irritation

Not available

Skin Irritation

Not available

Target Organs

Not available

Section 12 - Ecological Information

ECOTOXICITY

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

ECOTOXICITY

Not available

Movement & Partitioning

Inert material

Persistence and Degradability

This product is biodegradable

ECOTOXICITY

Not determined

Bioaccumulation:

Inherently biodegradable

Movement & Partitioning

Not determined

Persistence and Degradability

Not determined

ECOTOXICITY

Not determined

Bioaccumulation:

Not determined

Other Adverse EffectsNot determined

Movement & Partitioning

Not Available

Persistence and Degradability

Not Available

ECOTOXICITY

Not established

Bioaccumulation:

Not Available

Movement & Partitioning

Not available

Persistence and Degradability

Not available

ECOTOXICITY

Not available

Bioaccumulation:

Not available

Other Adverse EffectsNot available

ECOTOXICITY

Toxic to terrestrial and aquatic plants and animals. Do not release to the environment.

ECOTOXICITY

Water hazard class 3: extremely hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities.

ECOTOXICITY

Toxic to terrestrial and aquatic plants and animals. Do not release to the environment.

Movement & Partitioning

No data available

Persistence and Degradability

No data available

ECOTOXICITY

No data available

Bioaccumulation:

No data available

Other Adverse EffectsNo data available

Movement & Partitioning

Not available

Persistence and Degradability

Not available

ECOTOXICITY

Not available

Bioaccumulation:

Not available

Other Adverse EffectsNot 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

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

Component: Aliphatic petroleum Naphthas
 CAS Number: 64742-89-8
 Amount: <1%
 Aliphatic petroleum Naphthas is listed with New Jersey Right to Know.

Component: Epoxy Resin
 CAS Number: 26142-30-3
 Amount: 5 - 10%
 Epoxy Resin is listed with Pennsylvania Right to Know.
 Epoxy Resin is listed with New Jersey Right to Know.

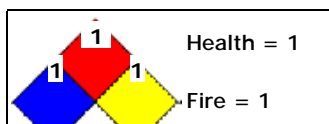
Component: Cellulose Fiber
 CAS Number: 65996-61-4
 Amount: 1 - 5%
 Cellulose Fiber is listed with Pennsylvania Right to Know.

Component: Epoxy Resin
 CAS Number: 41638-13-5
 Amount: 5 - 10%
 Epoxy Resin is listed with Pennsylvania Right to Know.
 Epoxy Resin is listed with New Jersey Right to Know.

HMIS Rating (Scale 0 - 4)

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

NFPA Ratings



Reactivity =1

Section 16 - Other Information

Legend

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