

INC.

K Pro Flexijoint Component B (218B)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision Date: 11/25/14 Supersedes: 09/26/14

Version: 1.0

www.kaufman products.net

21226-1131

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier
Product Form: Mixture
Product Name: K Pro Flexijoint Component B (218B)
1.2. Intended Use of the Product
Use of the substance/mixture: Joint sealing compound
1.3. Name, Address, and Telephone of the Responsible Party
Company
Kaufman Products, Inc.

3811 Curtis Avenue Baltimore, MD 21226-1131 410-354-8600

http://www.kaufmanproducts.net/

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC - Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US) Acute Toxicity, oral 4 H302 Acute Toxicity, H312 Dermal 4 Skin Corr. 1A H314 Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Dam. 1 H318 Acute Toxicity, H331 Inhalation 3 Acute Toxicity, H333 Inhalation 5 Target Organ Toxicity, H335 single exposure, 3 Muta. 1B H340 Carc. 1A H350 Repr. 2 H361 Aquatic Acute 1 H400 Aquatic Chronic 3 H402 H410 **Chronic Toxicity 1**

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2.2. Label Elements **GHS-US** Labeling Hazard Pictograms (GHS-US) Signal Word (GHS-US) : Danger Hazard Statements (GHS-US) : H302 - Harmful if swallowed H312 - Harmful in contact with skin H314 - Causes severe skin burns and eye damage H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H331 - Toxic if inhaled H333 - Toxic if inhaled H335 - May cause respiratory irritation H340 - May cause genetic defects H350 - May cause cancer H361 - Suspected of damaging fertility or the unborn child H400 - Very toxic to aquatic life H402 - Harmful to aquatic life H410 - Very toxic to aquatic life with long lasting effects **Precautionary Statements (GHS-US)** P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P260 - Do not breathe dust/fume/gas/mist/vapors/spray P261 - Avoid breathing mist, spray, vapors P264 - Wash exposed areas. thoroughly after handling P272 - Contaminated work clothing should not be allowed out of the workplace P273 - Avoid release to the environment P280 - Wear eye protection, protective clothing, protective gloves P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting P302+P352 - IF ON SKIN: Wash with plenty of soap and water P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P308+P313 - If exposed or concerned: Get medical advice/attention P310 - Immediately call a POISON CENTER or doctor/physician P321 - Specific treatment (see Section 4) P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P363 - Wash contaminated clothing before reuse P391 - Collect spillage P405 - Store locked up P501 - Dispose of contents/container to local, regional, national, and international

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regulations

2.3. **Other Hazards**

No additional information available

2.4. **Unknown Acute Toxicity (GHS-US)**

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Calcium Carbonate	(CAS No) 1317-65-3	4050	Not Classified
Diethylenetriamine	(CAS No) 111-40-0	12-20	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Acute 3, H402
Bisphenol A	(CAS No) 80-05-7	12-20	Skin Sen. 1, H317 Eye Irrit. 1, H318 STOT SE 3, H335 Repr. 2, H361
Phenol, 4-nonyl-, branched	(CAS No) 84852-15-3	6-12	Acute Tox. 4 (Oral), H302 Acute Tox. Not classified (Dermal) Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Cashew, nutshell liquid	(CAS No) 8007-24-7	15-25	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Skin Sens. 1A, H317 Eye Dam. 1, H318
1-(2-aminoethyl)piperazine	(CAS No) 140-31-8	3-6	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Skin Sen. 1, H317 Acute Tox. 3(Inhalation), H331

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. **Description of First Aid Measures**

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area.

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First-aid Measures After Skin Contact: Remove contaminated clothing. Immediately flush skin with plenty of water for at least 60 minutes. Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Causes severe skin burns and eye damage.

Symptoms/Injuries After Inhalation: Inhalation of fumes or vapours may cause respiratory irritation.

Symptoms/Injuries After Skin Contact: Corrosive. Causes burns.

Symptoms/Injuries After Eye Contact: Causes serious eye damage.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: May cause cancer. May damage fertility. May damage the unborn child. May cause heritable genetic damage.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Alcohol foam, carbon dioxide, dry chemical. Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use water jet. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but will burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Product is stable.

5.3. Advice for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid all eyes and skin contact and do not breathe vapor and mist. Do not allow product to spread into the environment.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. **Methods for Cleaning Up:** Collect spillage. Clear up spills immediately and dispose of waste safely.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing vapours, mist, spray. Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do no eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep container tightly closed.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

Incompatible Materials: Heat sources.

Storage Area: Store locked up.

7.3. Specific End Use(s) Joint sealing compound

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Q 1 **Control Parameters**

0.1. 001		
Diethylenetr	amine (111-40-0)	
USA ACGIH	ACGIH TWA (ppm)	1 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m³)	4 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	1 ppm
8.2. Exposure Controls		

Appropriate Engineering Controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment



Materials for Protective Clothing	: Chemically resistant materials and fabrics.
Hand Protection	: Wear chemically resistant protective gloves.
Eye Protection	: Chemical goggles or face shield.
Skin and Body Protection	: Wear suitable protective clothing.
Respiratory Protection	: If exposure limits are exceeded or irritation is experienced, NIOSH approved
	respiratory protection should be worn.
Other Information	: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties 9.1.

Physical State	: Liquid
Appearance	: Light gray.
Odor	: Amine-like.
Odor Threshold	: No data available
рН	: No data available

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Relative Evaporation Rate (butylacetate=1): No data availableRelative evaporation rate (ether=1): Slower than etherMelting Point: No data availableFreezing Point: No data availableBoiling Point: 260 °C (500 °F)Flash Point: 93.3 °C (200 °F)Auto-ignition Temperature: No data availableDecomposition Temperature: No data availableVapor Pressure: No data availableRelative Dansity (solid, gas): No data availableVapor Pressure: No data availableRelative Density: No data availableSpecific Gravity: 1.37Solubility: No data availableLog Fow: No data availableViscosity, Kinematic: No data availableViscosity, Dynamic: No data availableExplosive Properties: No data availableExplosive Limits: No data availablePart Data Properties: No data availablePoint: No data availableSolubility: No data availablePoint: No data availableRelative Density: No data availablePoint: No		
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Explosive Limits : Not applicable	Explosive Properties	: No data available
	Oxidizing Properties	: No data available
9.2. Other Information	Explosive Limits	: Not applicable
	9.2. Other Information	

VOC content

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Product is stable.

10.2 Chemical Stability: Product is stable.

10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4 Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5 Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

10.6 Hazardous Decomposition Products: Aldehydes, Carbon oxides (CO, CO2), Hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not available

Diethylenetriamine (CAS No) 111-40-0			
NOEL Inhalation Rat (mg/l)	> 0.07 mg/L (Exposure time: 4 h)		
Phenol, 4-nonyl-, branched (84852-15-3)	Phenol, 4-nonyl-, branched (84852-15-3)		
LD50 Oral Rat	580 mg/kg		
LD50 Dermal Rabbit	2031 mg/kg		
Bisphenol A (CAS No) 80-05-7			
LD50 Inhalation Rat (mg/kg)	3300 mg/kg		
Cashew, nutshell liquid (CAS No) 8007-24-7	7		

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LD 50 Oral Rat	>2000 mg/kg	

Skin Corrosion/Irritation: Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: May cause genetic defects.

Carcinogenicity: May cause cancer.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Inhalation of fumes or vapours may cause respiratory irritation.

Symptoms/Injuries After Skin Contact: Corrosive. Causes burns.

Symptoms/Injuries After Eye Contact: Causes serious eye damage.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: May cause cancer. May damage fertility. May damage the unborn child. May cause heritable genetic damage.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

: Toxic to aquatic life with long lasting effects. **Ecology - General**

1000 01 1 444

Diethylenetriamine (CAS No) 111-40-0	
LC50 Fish 1	430 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [guppy])
EC50 Daphnia 1	16 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Phenol, 4-nonyl-, branched (84852-15-3)	
LC50 Fish 1	0.135 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	0.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 1	0.36 - 0.48 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata
	[static])
LC 50 Fish 2	0.1351 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])
EC50 Other Aquatic Organisms 2	0.16 - 0.72 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata
	[static])

12.2. Persistence and Degradability

	·····		
K Pro Flexijoint, Component B (218B)			
Persistence and Degradability	Not established. May cause long-term adverse effects in the environment.		
12.3. Bioaccumulative Potential	12.3. Bioaccumulative Potential		
K Pro Flexijoint, Component B (218B)			
Bioaccumulative Potential	Not established.		
Bisphenol A (CAS No) 80-05-7			
BCF fish 1	8.7		
Phenol, 4-nonyl-, branched (84852-15-	-3)		
BCF fish 1	271		

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12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Other Information

: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with D	от	
Proper Shipping Name	: CORROSIVE LIQUIDS, N.O.S.	
Hazard Class	: 8	
Identification Number	: UN1760	
Label Codes	: 8	8
Packing Group	: 111	
ERG Number	: 154	
14.2 In Accordance with IN	1DG	
Proper Shipping Name	: CORROSIVE LIQUID, N.O.S.	
Hazard Class	: 8	
Identification Number	: UN1760	
Packing Group	: 111	
Label Codes	: 8	
EmS-No. (Fire)	: F-A	
EmS-No. (Spillage)	: S-B	8
14.3 In Accordance with IA	ТА	
Proper Shipping Name	: CORROSIVE LIQUID, N.O.S.	
Packing Group	: 111	
Identification Number	: UN1760	
Hazard Class	: 8	
Label Codes	: 8	B A
ERG Code (IATA)	: 8L	

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Cashew, nutshell liquid (8007-24-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Phenol, 4-nonyl-, branched (84852-15-3)	
Listed on the United States TSCA (Toxic Sub	stances Control Act) inventory
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule
	under TSCA.
1-(2-aminoethyl)piperazine - (140-31-8)	

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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15.2 **US State Regulations**

1-(2-aminoethyl)piperazine - (140-31-8)
U.S Massachusetts RTK Substances
U.S New Jersey RTK Hazardous Substances
U.S Pennsylvania RTK Hazardous Substances

Cashew, nutshell liquid (8007-24-7)

U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term

Phenol, 4-nonyl-, branched (84852-15-3)

- U.S. Maine Chemicals of High Concern
- U.S. Minnesota Chemicals of High Concern
- U.S. Minnesota Chemicals of High Concern Persistent Bioaccumulative Toxins
- U.S. North Dakota Water Quality Standards Aquatic Life Acute Value for Classes I, IA, II, III
- U.S. North Dakota Water Quality Standards Aquatic Life Chronic Value for Classes I, IA, II, III
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

Bisphenol A (80-05-7)

U.S. - Pennsylvania - RTK Label Information

U.S. - New Jersey - RTK Label Information

SECTION 16: OTHER INFORMATION

Other Information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1

04/03/2014

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Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 3	Flammable liquids Category 3
Muta. 1B	Germ cell mutagenicity Category 1B
Repr. 2	Reproductive toxicity Category 2
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
Skin Sens. 1A	Skin sensitization Category 1A
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

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DISCLAIMER

The information provided in this Safety Data Sheet is believed to be accurate to the best of our knowledge, information and belief at the date of its publication. The information given is designed solely as a guide for the safe handling, use, processing, storage, transportation, disposal, and release by a person trained in chemical handling. This is not to be considered a warranty or quality specification. The information relates only to the specific material designated, and may not be valid for such material used in combination with any other materials or in any process, unless specified on either the latest version of our product data sheet or safety data sheet. Users and handlers of this product should make their own investigations to determine the suitability of the information provided herein for their own purposes.

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