

Product Information Sheet

K-FLEX PE

1 IDENTIFICATION

Manufacturer's name and address:

K-FLEX USA 100 K Flex Way Youngsville, NC 27596 USA

Supplier's name and address:

Refer to Manufacturer

Telephone No.: (800) 765-6475

Website Address: www.kflexusa.com

Product Identifier: K-FLEX Polyethylene (PE) Foam

Chemical Name: Polymeric, Polyethylene Plastic

Recommended Use: Insulation on plumbing applications. This product is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200C.

2 HAZARDS IDENTIFICATION

OSHA HAZARD COMMUNICATION STANDARD

This product is considered an article according to 29 CFR 1910.1200. This "Non Hazardous Chemical" is exempt as defined by the OSHA Hazard Communication Standard.

While this product is classified as a "Non Hazardous Chemical" as defined by OSHA Hazard Communication, this Safety Data Sheet contains valuable information critical to the safe handling and proper use of the product.

A flammable hydrocarbon gas is used as a blowing agent for Polyethylene Foam. Trace amounts of this gas may remain in the product at the time of shipment.

POTENTIAL HEALTH EFFECTS

Inhalation: Inhalation hazards are not expected when product is used for its intended purpose. Treat fines and dust as nuisance particulates. Vapors and dust may be irritating to the respiratory tract.

Skin Contact: If rash or irritation develops, wash with soap and water. If rash or irritation persists, consult a physician. Generally non-irritating to skin. Skin absorption unlikely.

Eye Contact: Small particles may cause irritation. Flush with water. If irritation persists, consult a physician.

Ingestion: Unlikely route of exposure. No adverse effects anticipated.

Chronic Health Effects: There are no known chronic health effects.

Conditions Aggravated by Exposure: This product aggravates no known conditions.

3 COMPOSITION/INFORMATION ON INGREDIENTS

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INGREDIENT NAME	CAS NUMBER	PERCENTAGE CONCENTRATION
Polyethylene	9002-88-4	85-100%
Other Proprietary Additives	N/A	0-15%

The specific chemical identity and exact percentage concentration of the composition has been withheld as a trade secret.

4 FIRST AID MEASURES

Inhalation: Unlikely route of exposure. No measures established.

Skin Contact: If rash or irritation develops, wash with soap and water. If rash or irritation persists, consult a physician.

Eye Contact: Small particles may cause irritation. Flush with water. If irritation persists, consult a physician.

Ingestion: Unlikely route of exposure. No adverse effects anticipated.

5 FIRE-FIGHTING MEASURES

Extinguishing Media: Water, CO₂, Dry Chemical, Foam

Special Firefighting Procedures: Recommend NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing be worn.

Decomposition Products: Upon combustion hazardous gases may be evolved.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Recommend light to medium duty cloth or leather gloves and approved safety glasses.

Emergency Procedures: None.

7 HANDLING AND STORAGE

This product is combustible and should not be exposed to sparks or open flames. Large quantities of this product can burn rapidly and release toxic gases, including carbon monoxide.

Fabrication methods involving cutting of large quantities of this product may release isobutane remaining in the foam cell structure. Provide adequate ventilation to ensure that isobutane concentrations remain below the ACGIH threshold limit value (TLV) of 800 ppm and the Lower Flammable Limit of 1.8% in air by volume to protect workers and eliminate the possibility of developing flammable concentrations.

Hints for Safe Handling: Do not expose products to sparks of open flame.

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Hints for Fire and Explosion Protection: Smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Carbon monoxide, carbon dioxide, and carbon are generated.

Hints for Separation of Incompatible Materials: None.

Storage Recommendations: Store in a cool, dry location. Keep away from high temperatures and hot pipes. Store away from direct sunlight. This material is combustible and should not be exposed to flame or other ignition sources. Flammable vapors of isobutane may be generated during unventilated storage of large amounts of this product (for example, in storage trailers). To prevent the build-up of flammable vapors, do not store large quantities of this product in unventilated spaces including trailers. Ventilated trailers are recommended for transportation of bulk shipments of this product. To prevent potential fire or explosion, do not weld or apply intense heat to closed containers which contain this product. Open closed containers in a well-ventilated area away from sparks or open flames.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Medical Conditions Aggravated by Exposure Limits: Not established.

Codes Used: N/A

General Health Measures: N/A

Engineering Controls: Local exhaust ventilation is recommended for control of airborne dust, fumes, and vapors in confined areas.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Sheets, rolls, and tubes; some with self-adhesive

Color: Black, white, or gray.

Odor: Negligible to no odor.

Melting Point: Vicat softening point approximately 91°C.

Boiling Point: N/A

Lower Explosion Limit: N/A

Upper Explosion Limit: N/A

Vapor Pressure @ 20°C: N/A

Vapor Density (Air = 1): N/A

Solubility: Insoluble

Specific Gravity (H₂O = 1): N/A

Flash Point: N/A

10 STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility: Strong oxidizing agents.

Decomposition Products: Upon combustion hazardous gases may be evolved.

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11 TOXICOLOGICAL INFORMATION

Effects on short- and long-term Exposure: When used and handled according to specification, the product does not have any harmful effect to the best of our knowledge.

12 ECOLOGICAL INFORMATION

Classified as non-hazardous to waters.

13 DISPOSAL CONSIDERATIONS

Disposal: Not a RCRA hazardous waste. Dispose of in accordance with local, state, and federal regulations. Waste may be reused, recycled, or buried in an approved landfill.

14 TRANSPORT INFORMATION

No hazardous materials.

15 REGULATORY INFORMATION

N/A

16 OTHER INFORMATION

Revised October, 2017. The information and recommendations contained herein are based upon data that is accurate and reliable, to the best of K-FLEX USA, LLC knowledge and belief. With respect to information and recommendations, K-FLEX USA, LLC makes no representations or warranties of any kind or nature, expressed or implied.