



# Gematilen<sup>®</sup> FK

## Material Safety Data Sheet

### 1. Identification of the Substance and Manufacturer

<u>Trade Name</u>	GEMATILEN BK-HD
<u>Product Description</u>	Polyethylene
<u>MSDS No</u>	M.1.01
<u>Current Revision Date</u>	RV.0

#### MANUFACTURER

Gema Elektro Plastik ve Elektronik San.Dış Tic.A.Ş.  
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### 2. Composition /Information On the Ingredients

<u>COMPONENT</u>	<u>WT (%)</u>	<u>CAS No</u>
Polyethylene	≥ 28	9002-88-4
Calcium Carbonate	≤ 70	471-34-1
Stabilizers, Lubricants, Masterbatches	≤ 2	

#### OSHA HAZARDOUS COMPONENTS

<u>COMPONENT</u>	<u>OSHA PEL*</u>
Calcide	15 mg/m <sup>3</sup> (total dust) - 5 mg/m <sup>3</sup> ( for breathing)

### 3.Hazard Identification

#### EMERGENCY OVERVIEW

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the enduser (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure.

#### POTENTIAL HEALTH EFFECTS

Routes of Exposure: Inhalation, Ingestion, Skin contact

#### Acute exposure

Inhalation : Particulates, like other inert materials can be mechanically irritating.

Ingestion : May be harmful if swallowed.

Eyes : Particulates, like other inert materials can be mechanically irritating.

Skin : Experience shows no unusual dermatitis hazard from routine handling.

#### Classification of the substance /preparation

EU Dangerous Substances Directive 67/548/EC

Not classified as dangerous

Index Number (Annex I)

#### Human Health Effects:

On the basis of available information ,this material is not expected to produce any significant adverse health effects when recommended use instructions are followed.

#### Environmental Effects :

On the basis of available information ,this material is not expected to produce any significant adverse environmental effects when recommended use instructions are followed.



#### 4. First Aid Measures

##### Inhalation :

No specific intervention is indicated as the compound is not likely to be hazardous by inhalation .Consult a physician if necessary.If exposed to fumes overheating or combustion, move to fresh air.Consult a physician if symptoms persist.

##### Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

##### Skin Contact:

The compound is not likely to be hazardous by skin contact, but cleaning the skin after use is advisable. If molten polymer gets on skin,cool rapidly with cold water.Do not attempt to peel polymer from skin.Obtain medical treatment for thermal burn.

**Ingestion:**No specific intervention is indicated as the compound is not likely to be hazardous by ingestion.

#### 5. Fire Fighting Measures

**Fire Extinguishing Media:** Water, Foam, Dry Chemical, CO2

**Fire Fighting Equipment:** Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.

**Exposure Hazards:** None known.

**Combustion Products :** Carbon monoxide (CO)

**Flash Point:** >121°C

#### 6. Accidental Release Measures

##### Personel Precautions

Use personal protection recommended in section 8. Product may cause a slip hazard.

##### Environmental Precautions

Keep out of drains and water courses. Pellets may present a physical ingestion hazard to wildlife due to resemblance to grains.Clean up spills immediately.

##### Methods for cleaning up

In case of spills, sweep, scoop or vacuum and remove. Flush spill area with water.

#### 7. Handling and Storage

##### Handling

Handle in accordance with good industrial hygiene and safety practices.These practices include avoiding unnecessary exposure and removal of material from eyes, skin and clothing.

##### Engineering Measures

Provide natural or mechanical ventilation to minimize exposure.If practical, use local mechanical exhaust ventilation at sources of air contamination such as processing equipment.

##### Storage

Stable under normal conditions of handling and storage.

#### 8.Exposure Controls/Personal Protection

##### Respiratory Protection

Avoid breathing dust. Use approved respiratory protection equipment when airborne exposure limits are exceeded. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application.Observe respirator use limitations specified by the manufacturer.

##### Hand Protection

This product does not present significant skin concern requiring special protection. Use glove at mechanical process.

##### Eye Protection

Does not cause significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact.

##### Skin Protection

Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice.

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## 9. Physical and Chemical Properties

**Physical State:** Solid  
**Odor:** Odourless  
**Appearance :** Pellet  
**Density :** 1,68-1,72  
**Melting Point:** 130-170 °C

## 10. Stability and Reactivity

**Chemical Stability:**  
Stable at normal temperatures and storage conditions.  
**Hazardous Decomposition Products:**  
Aliphatic hydrocarbons.  
**Hazardous Polymerization:**  
NO  
**Conditions to Avoid:**  
Flame; do not heat above 250°C.  
**Incompatibility:**  
Halogens, strong oxidizers and aromatic solvents.

## 11. Toxicological Information

Gema has not conducted toxicity studies on this material and no toxicological information was obtained in a reasonably extensive search of the available scientific literature. Results of single exposure (acute) toxicity studies conducted on similar materials indicate that these products are practically nontoxic orally (rats) and after skin application (rabbits). These products are practically non irritating to rabbit skin and are practically non irritating to slightly irritating to rabbit eyes. No adverse effects noted following repeated oral administration.

## 12. Ecological Information

**Environmental Data:** Not Available  
**Ecotoxicological Information:** Not Determined  
**Distribution:** Not Determined  
**Chemical Fate Information:** Not Readily Biodegradeable.

## 13. Disposal Consideration

Incineration, Recycle  
All local and national regulations should be followed.

## 14. Transport Information

**Special Shipping Notes:** This product is not regulated by DOT, IMO, IATA, Canadian TDG and associated regulations, ADR or RID.

## 15. Regulatory Information

R22: Harmful if swallowed  
S1/2: Keep locked up and out of the reach of children.  
S46: If swallowed seek medical advice and show this container and label.

## 16. Other Information

The information relates only to the specific product described above, and not to use of the product in combination with another material. Customers and other users should read this MSDS and the product label carefully before using the product. Gema neither assumes, nor authorizes anyone to assume on Gema's behalf, any liability in connection with the

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use of the information in this MSDS. Customers and other users should do their own testing before making commercial use of the product to ensure that the product is fit for the intended application and that the product can be used, and any waste material disposed of, safely, properly, and legally based on the customer's and other user's circumstances. Gema makes no warranties, express or implied, with respect to the product, including warranties of merchantability or fitness for a particular purpose. The customer or other user of the product assumes all risk and liability arising out of the use of the product, whether used alone or in combination with other materials. Gema's liability, if any, for breach of warranty, negligence or other tort, strict liability, or any other claim shall not exceed in amount the purchase price of Gema products with respect to which such case arose. In no event shall Gema be liable for consequential, special, or incidental damages.

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