

**1. Identification**

**Product identifier** **FURALAC FN Mortar Powder**

**Other means of identification** None.

**Recommended use** Not available.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Company Name** Armor Limited, Inc.  
**Address** 2410 US-15 South, Sumter, SC 29150

**After hours telephone number** 1-877-982-7667

**number**

**Normal work hours telephone number** 1-877-982-7667

**Website**

www.armor-inc.com  
 customerservice@armor-inc.com

**E-mail**

**Emergency 24-hour telephone number** CHEMTREC North America: 800-424-9300, International: +1-703-527-3887

**Information on operation hours**

8:00 a.m. to 5:00 p.m.

**2. Hazard(s) identification**
**Hazards for the product as sold**

**Physical hazards** Not classified.

**Health hazards** Skin corrosion/irritation Category 1  
 Serious eye damage/eye irritation Category 1  
 Carcinogenicity Category 1  
 Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**


**Signal word** Danger

**Hazard statement** May cause cancer. Causes damage to organs by inhalation. Causes severe skin burns and eye damage. Causes serious eye damage.

**Precautionary statement**
**Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust or mist. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

**Response**

Specific treatment see Section 4 of this SDS. Immediately call a POISON CENTER/doctor. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Specific treatment see Section 4 of this SDS. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before re-use.

**Storage**

Store locked up.

<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS No./Unique ID	%
Coke (petroleum)	COKE, (PETROLEUM), CALCINED	Proprietary	60 - 80
SULPHAMIDIC ACID		5329-14-6	5 - 10

### 4. First-aid measures

<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.
<b>Eye contact</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist.
<b>Ingestion</b>	Rinse mouth. DO NOT induce vomiting. Get medical attention immediately. If ingestion of a large amount does occur, call a poison control center immediately.
<b>Most important symptoms/effects, acute and delayed</b>	Not available.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water spray, water fog, CO2 or dry chemical.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Irritating and toxic gases or fumes may be released during a fire.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Firefighters should wear full protective clothing including self contained breathing apparatus.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid generation and spreading of dust. Avoid inhalation of dust from the spilled material. Keep unnecessary personnel away. Stay upwind.
<b>Methods and materials for containment and cleaning up</b>	<p>ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharge. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material, if this is without risk. Pick up and arrange disposal without creating dust.</p> <p>Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container.</p> <p>Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.</p> <p>Never return spills to original containers for re-use.</p>
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Keep container closed. Use only with adequate ventilation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry place out of direct sunlight. Avoid excessive heat. Keep container in a well-ventilated place. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### ACGIH

Components	Type	Value	Form
Petroleum Coke	TWA	3 mg/m3	Nuisance dust
		2 mg/m3	Respirable dust

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Observe occupational exposure limits and minimize the risk of inhalation of dust.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Chemical goggles and face shield are recommended.

#### Skin protection

##### Hand protection

Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

##### Other

Wear appropriate clothing to prevent any possibility of skin contact. Chemical resistant gloves.

#### Respiratory protection

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

#### Thermal hazards

Not available.

### General hygiene considerations

Do not eat, drink or smoke when using the product.

## 9. Physical and chemical properties

### Physical state

Solid.

### Form

Powder.

### Color

Dark grey to black

### Odor

None.

### Melting point/freezing point

Not available.

### Boiling point or initial boiling point and boiling range

Not available.

### Flammability

Not available.

### Upper/lower flammability or explosive limits

#### Explosive limit - lower (%)

Not available.

#### Explosive limit - upper (%)

Not available.

### Flash point

Not available.

### Auto-ignition temperature

Not available.

### Decomposition temperature

Not available.

### pH

Not available.

### Kinematic viscosity

Not available.

### Solubility

#### Solubility (water)

Insoluble

### Partition coefficient (n-octanol/water)

Not available.

### Vapor pressure

Not available.

### Density and/or relative density

Not available.

Vapor density	Not available.
Particle characteristics	Not available.

## 10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Keep away from heat, sparks and open flame.
Incompatible materials	Strong acids, alkalis and oxidizing agents. Contact with these materials may result in an exothermic reaction characterized by heat and splattering of the chemicals.
Hazardous decomposition products	Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides. Ammonia.

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation	Irritating to respiratory system.
Skin contact	Causes severe skin burns and eye damage.
Eye contact	Causes serious eye damage.
Ingestion	May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms related to the physical, chemical and toxicological characteristics	Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Burning pain and severe corrosive skin damage. Contact may cause redness, burning, drying, and cracking of the skin, and skin damage.
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### Information on toxicological effects

Acute toxicity	Causes skin and eye irritation. Dust irritates the respiratory system, and may cause coughing and difficulties in breathing.
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Product	Species	Test Results
FURALAC FN Mortar Powder		
<u>Acute</u>		
Oral		
ATEmix		225000 mg/kg

Skin corrosion/irritation	Causes severe skin burns and eye damage.
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Serious eye damage/eye irritation	Causes serious eye damage.
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### Respiratory or skin sensitization

Respiratory sensitization	Not available.
Skin sensitization	Not available.

Germ cell mutagenicity	Not available.
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### Carcinogenicity

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

#### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity	Not available.
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Specific target organ toxicity - single exposure	Not available.
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Specific target organ toxicity - repeated exposure	Not available.
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<b>Aspiration hazard</b>	Not available.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.

## 12. Ecological information

<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms.
<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazardous waste code</b>	Not applicable.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to IMO instruments** Not available.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### Toxic Substances Control Act (TSCA)

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Skin corrosion or irritation  
Serious eye damage or eye irritation

### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)**

Not regulated.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision****Issue date** 01-28-2015**Revision date** 12-18-2025**Version #** 05

**References** ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices  
National Toxicology Program (NTP) Report on Carcinogens  
IARC Monographs. Overall Evaluation of Carcinogenicity  
EPA: AQUIRE database  
International Maritime Dangerous Goods Code  
NIOSH Pocket Guide

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