

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

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

Website www.armor-inc.com

E-mail customerservice@armor-inc.com

Emergency 24-hour telephone number CHEMTRAC 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.

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

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

5. Fire-fighting measures

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| Suitable extinguishing media | Water spray, water fog, CO2 or dry chemical. |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | Irritating and toxic gases or fumes may be released during a fire. |
| Special protective equipment and precautions for firefighters | 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. |
| Fire fighting equipment/instructions | 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

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| Personal precautions, protective equipment and emergency procedures | Avoid generation and spreading of dust. Avoid inhalation of dust from the spilled material. Keep unnecessary personnel away. Stay upwind. |
| Methods and materials for containment and cleaning up | 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. |
| | Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. |
| | Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. |
| | Never return spills to original containers for re-use. |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |

7. Handling and storage

Precautions for safe handling

Conditions for safe storage, including any incompatibilities

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.

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

Petroleum Coke

Type

TWA

Value

3 mg/m³

Form

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.

Information on toxicological effects

Acute toxicity Causes skin and eye irritation. Dust irritates the respiratory system, and may cause coughing and difficulties in breathing.

| Product | Species | Test Results |
|---------|---------|--------------|
|---------|---------|--------------|

FURALAC FN Mortar Powder

Acute

Oral

ATEmix

225000 mg/kg

Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization Not available.

Germ cell mutagenicity Not available.

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.

Specific target organ toxicity - single exposure Not available.

Specific target organ toxicity - repeated exposure Not available.

| | |
|--------------------------|--------------------------------------|
| Aspiration hazard | Not available. |
| Chronic effects | Prolonged inhalation may be harmful. |

12. Ecological information

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| Ecotoxicity | Not expected to be harmful to aquatic organisms. |
| Persistence and degradability | Not available. |
| Bioaccumulative potential | Not available. |
| Mobility in soil | Not available. |
| Other adverse effects | 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

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| Disposal instructions | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Hazardous waste code | Not applicable. |
| Waste from residues / unused products | Dispose of in accordance with local regulations. |
| Contaminated packaging | 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 Not available.

IMO instruments

15. Regulatory information

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

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|----------------------|--|
| 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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