



Safety Data Sheet

AFT1107

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer Champion Friction Technologies Inc.
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Product Names AFT-1107

Recommended Use Friction material

Restrictions on Use Commercial / professional use only

Emergency Contact / Number Champion Friction Technologies / (541) 687-8015 / (800) 547-6180

SECTION 2: HAZARD IDENTIFICATION

Hazards Product is not classified

Precautionary Statements Not Applicable

Signal Word Not Applicable

Label Information

Any fiber or dust may be hazardous to your health. Use respirators and/or other dust control measures as well as eye protection, when handling or processing this product. Do not ingest.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS#	Component Percent or Range
Aluminum Oxide	1344-28-1	Trade Secret
Barium Oxide	7727-43-7	Trade Secret
Cupric Oxide	1317-38-0	Trade Secret
Graphite	7782-42-5	Trade Secret
Mineral Fiber	Not Listed	Trade Secret
Molybdenum Disulfide	1317-33-5	Trade Secret
Particulate, Not Regulated	Not Applicable	Trade Secret

SECTION 4: FIRST AID MEASURES

Eye and Skin Contact: Treat particles in eye as foreign object. Flush eyes or skin with water to remove any particles. Get medical help if irritation occurs and persists.

Inhalation: Not applicable under normal use. Move to fresh air immediately if friction dust is inhaled. Get medical aid if symptoms occur and persist.

Ingestion: Not applicable under normal use. If swallowed never give anything by mouth if victim is semi-conscious or unconscious. Wash out mouth with water. Seek medical attention if symptoms occur and persist.

Most Important Symptoms / Effects: None known

Indication of Immediate Medical Attention and Special Treatment, If Necessary: None known

SECTION 5: FIREFIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media: Product will not readily burn. Use fire-fighting methods applicable to the surrounding fire. No unsuitable methods.

Specific Hazards: May release CO, CO₂ and possibly toxic fumes in a fire.

Specific Protective Equipment and Precautions for Fire-Fighters: Use a water spray to cool fire-exposed containers and structures and to protect personnel. Firefighters should wear a self-contained breathing apparatus and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

See Section 8 for personal protective gear.

Personal Precautions: Isolate release area and keep unnecessary or untrained people away.

Environmental Precautions: Not applicable for product in purchased form.

Methods for Cleaning Up: Not a hazardous waste. Sweep up dust or particles and place in a suitable container for later use or disposal.

SECTION 7: HANDLING AND STORAGE

See Section 8 for personal protective gear.

Handling: No special handling precautions are required. Always wash thoroughly before eating, drinking, using restroom or at the end of the work assignment or shift.

Storage: Store in a cool, dry area away.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits (airborne particles: not applicable to product in manufactured or purchased form)

Component Name	OSHA PEL (mg/m³)	ACGIH TLV (mg/m³)
Aluminum Oxide	10	10
Barium Oxide	5	10
Cupric Oxide		
Graphite		
Mineral Fiber		
Molybdenum Disulfide		
Particulate, Not Regulated		

Engineering Controls: Not applicable for product in purchased form. Use appropriate ventilation to maintain airborne particulate from use below exposure limits.

Eye and Face Protection: Not applicable for product in purchased form. Wear safety glasses or goggles when working with product.

Skin Protection: Not applicable for product in purchased form. Wear protective gloves and other body protection to prevent ongoing or repeated exposure according to the task or activity and amount of exposure.

Respiratory Protection: Not applicable for product in purchased form. Use respirator or mask to prevent inhalation of dust or particulate produced during use of product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Description: Metallic, medium to high friction coefficient composite supplied in flat slabs or molded parts

Appearance/Physical State	Gray to black solid slabs or parts	Flash Point (PMCC)	Not Applicable
Specific Gravity (Water=1)	Not Applicable	Upper Flammability Limits	Not Applicable
Evaporation Rate (butyl acetate = 1)	Not Applicable	Lower Flammability Limits	Not Applicable
pH	Not Applicable	Auto-ignition Temperature	Not Applicable
Solubility in Water	Negligible	Decomposition Temperature	Not Applicable
Odor	None or minimal	Vapor Pressure	Not Applicable
Odor Threshold	Not Applicable	Vapor Density (Air=1)	Not Applicable
Melting/Freezing Point	Not Applicable	Partition Coefficient (n-octanol/water)	Not Applicable
Boiling Range	Not Applicable	Viscosity (mPa. s, 20 °C)	Not Applicable
Initial Boiling Point	Not Applicable	Critical Temperature	Not Applicable

Note: Physical and chemical properties are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive at normal storage and use conditions

Chemical Stability: Stable at normal storage and use conditions

Incompatible Materials: None know

Possibility of Hazardous Reactions: None known

Conditions to Avoid: Very high temperature

Hazardous Decomposition Products: Avoid dust production in poorly ventilated area. Thermal decomposition products may include CO, CO₂, fumes and smoke which may be toxic.

SECTION 11: TOXICOLOGICAL INFORMATION

Specific toxicity tests have not been conducted on this product. In accordance with OSHA's Hazard Communication Standard 1910.1200, this product is assumed to have the same health hazards as its significant components.

Acute Toxicity Effects: No toxicity data available. Likely routes of exposure are skin and eye contact from dust produced during product use. This may cause mechanical irritation. Use mask to avoid inhalation which can produce temporary upper respiratory tract irritation.

Chronic Toxicity Effects: Repeated and prolonged exposure may exacerbate acute effects. Excessive, long term inhalation of dust from some components may produce serious lung disorders.

Carcinogenicity: NTP and OSHA have not identified any carcinogenic ingredients above the statutory limit of 0.1%. IARC has rated mineral wool fiber in respirable form (limited or no applicability to AFT-1107 as sold) a Group 2B carcinogen, possibly carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION

Specific environmental tests have not been conducted on this product. It is not classified as an environmental hazard based on the properties of the components in their fabricated form.

SECTION 13: DISPOSAL CONSIDERATIONS

Not a hazardous waste. Dispose of in accordance with local, state/province, and federal environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Information: Not Regulated

SECTION 15: REGULATORY INFORMATION

TSCA Status: All components are listed in the TSCA inventory

SARA 311/312 Reporting Categories: None

SARA 313 Reportable Ingredients: None

SECTION 16: OTHER INFORMATION

NFPA (0 = No Hazard; 4 = Severe Hazard) 1-1-0 (Health/Flammability/Reactivity)

Department Issuing SDS: Health and Safety

Disclaimer

The information and recommendations contained in this Safety Data Sheet are taken from sources which are believed to be accurate.

Champion Friction Technologies Inc. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user of the information or recommendations.