



Safety Data Sheet

Date of Issue: 03/25/2021

Revision Number: Rev 8

Section 1: Product and Company Information

Company Identification:

Telephone: 1-800-223-201

Marathon Brake Systems

125 Old Mill Rd

Cartersville, GA 30120

Product Type:

Friction material, brake block, disc pads

Product Brands:

All Marathon Branded products, all private label products

Section 2: Hazards Identification

Signal Word:

Warning

GHS Classification:

Eye, skin, respiratory irritant category 4

OSHA MSHA Hazards:

Nuisance Dust

Hazards Statements:

Inhalation, eye contact, skin contact, ingestion

Carcinogenic Status:

None

Health Effects Eyes:

Eye irritation may be caused by exposure to dust generated by this product

Health Effects Skin:

Prolonged exposure to dust generated by this product may cause skin irritation in some people

Health Effects Ingestion:

There are no known hazards associated with ingestion of this product

Health Effects Inhalation:

Dust generated by this product may cause irritation of nose, throat and lungs

Section 3: Composition/Information on Ingredients

Chemical Name	CAS #	% Content by Weight
Aluminum Oxide	1344-28-1	<10%
Glass Fiber	65997-17-3	<20%
Carbon Black	1333-86-4	<5%
Barium Sulfate	7727-43-7	<50%
Graphite	7782-42-5	<25%
Phenolic Resin	9003-35-4	<25%
Calcium Carbonate	471-34-1	<50%

Remaining ingredients are either non-hazardous or are contained within the product below minimum concentrations. Occupational exposure limits are listed in section 8.

Section 4: First Aid Measures

Eye contact: Do not rub eye. Immediately flush with water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. If irritation persists, contact a physician.

Inhalation: Move injured person to a fresh air location. If irritation persists, contact a physician.

Skin Contact: Remove contaminated clothing and wash with soap and water. If symptoms persist after washing, contact a physician.

Ingestion: If swallowed, rinse mouth with water. If symptoms continue, contact a physician.

Section 5: Fire Fighting Measures

Flash Point: Not applicable

Lower Explosion Limit: Not applicable

Upper Explosion Limit: Not applicable

Autoignition Temperature: Not determined

Suitable Extinguishing Media: Use water spray, dry chemical, foam or CO2

Specific Hazards from Chemical: Material will burn in a fire

Section 6: Accidental Release Measures

Personal Protection: Use explosion-proof electrical equipment if airborne dust levels are high. Avoid dust generation and avoid dust inhalation and contact with skin and eyes. Wear necessary protective equipment including respirator.

Environmental Precautions: Do not allow dust to enter drains, sewers or watercourses. Collect and dispose of dust as described in section 13 of the SDS.

Spill Cleanup Methods: Carefully sweep dust into closed container or vacuum using a HEPA filter. For waste disposal, see section 13 of the SDS.

Section 7: Handling and Storage

Handling: Handle in accordance with good industrial hygiene and sanitary practices. Minimize dust creation. If dust is generated, use adequate ventilation and protective equipment or respirator.

Inhalation:	Avoid prolonged or repeated exposure to dust
Skin:	Avoid prolonged or repeated exposure to dust
Eye:	Avoid contact with eye

Storage: Store in a dry area. Try to minimize dust creation.

Section 8: Exposure Controls/Personal Protection

Recommended monitoring procedure:

If user operations generate dust, use ventilation to keep exposure to airborne contaminants below applicable exposure limits.

Individual protection measures:

Eye/Face: Use protective safety glasses with side shields if dust is generated

Respiratory: The specific respirator selected must be based on the airborne concentration in the workplace and must not exceed the limits of the respirator.

Skin: Gloves can be worn if exposure to dust causes irritation of skin.

Occupational Exposure Parameters

Chemical Name (CAS numbers are in Section 3)

Exposure Limits

Aluminum Oxide	OSHA PEL	TWA 15 mg/m ³ (total): TWA respirable NA
	ACGIH TIV	NA
Glass Fiber	OSHA PEL	TWA 15 mg/m ³ (total): TWA 5 mg/m ³ (respirable)
	ACGIH TIV	1.0 fiber/cc; Inhalable fraction 5mg/m ³
Carbon Black	OSHA PEL	NA
	ACGIH TIV	3.5 ppm TWA
Barium Sulfate	OSHA PEL	5 ppm
	ACGIH TIV	10 mg/m ³ TWA
Graphite	OSHA PEL	TWA 15 mg/m ³ (total): TWA 5 mg/m ³ (respirable)
	ACGIH TIV	2.5 mg/m ³ TWA (respirable)
Phenolic Resin	OSHA PEL	NA
	ACGIH TIV	5 ppm
Calcium Carbonate	OSHA PEL	TWA 15 mg/m ³ (total): TWA 5 mg/m ³ (respirable)
	ACGIH TIV	NA

Section 9: Physical and Chemical Properties

Appearance / Odor	Gray to black color block or disc pad, odor is similar to ammonia
pH	Typically >6
Melting Point	NA
Boiling Point	NA
Vapor Pressure	NA
Vapor Density	NA
Solubility in H₂O	NA
Specific Gravity	1.8 to 3.5 g/cc

Section 10: Stability and Reactivity

Stability	Product is stable
Conditions to Avoid	None known

Materials to Avoid None known

Hazardous Polymerization Will not occur

Decomposition Products None known

Section 11: Toxicological Information

Information on toxicological effects: No relevant information was found on this product

Section 12: Ecological Information

Mobility This product is insoluble in water

Persistence/ Degradability No relevant studies identified

Bio-Accumulation No relevant studies identified

Ecotoxicity No relevant studies identified

Section 13: Disposal Considerations

Product Disposal Dispose of product in accordance with national and local regulations

Section 14: Transport Information

International Transport Regulation Not regulated

Section 15: Regulatory Information

OSHA Hazard Communication Standard 29 CFR 1910.1200

This product meets the OSHA definition of an article, therefore the OSHA Hazard Communication Standard can be considered inapplicable.

SARA Title III Section 311/312

This product contains substances regulated under OSHA Hazard Communication Standard 29 CFR 1910.1200 at or above OSHA minimum quantities.

SARA Title III Section 313

This product contains Al₂O₃ (CAS # 1344-28-1) which are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA 40 CFR 372)

TSCA

All ingredients in this product are included in EPA's Toxic Substance Control Act Inventory of Chemical Substances

Environmental Marking According SAE J2975-2011

All friction products are classified as N or B according to SAE J2975-2011 Measurement of copper and other elements in Brake Friction Materials.

Section 16: Other Information

Marathon Safety Data Sheet (SDS)

Date of Preparation	03/25/2021
----------------------------	-------------------

Revision Number	Revision 8
------------------------	-------------------

Previous Revision Date and Number	Revision 7 (Jan 13, 2017)
--	----------------------------------