MD-BOTH INDUSTRIES
40 Nickerson Road
Ashland, MA 01721-1912
Tel: (508) 881-4100
Fax: (508) 881-1656

Hazard Ratings		
Minimal.....0	HEALTH	0
Slight.....1	FLAMMABILITY	1
Moderate.....2	REACTIVITY	1
Serious.....3	PERSONAL	
Severe.....4	PROTECTION	E

MATERIAL SAFETY DATA SHEET

Date of Preparation: Jan. 9, 2004
Prepared by: Max Hui

SECTION 1

Manufacturer's Name: MD-BOTH Industries
Street Address: 40 Nickerson Road, Ashland, MA 01721
Emergency Telephone #: CHEMTREC 800-424-9300 24HRS
Chemical Name: Aluminum Flakes
Trade Name: Flitter 0/150 K, Flitter 0/300 K, Flitter 0/600 K, Flitter 300/600 K

SECTION 2 – HAZARDOUS INGREDIENTS

No hazardous ingredients.
All component ingredients of these products are listed in the TSCA inventory and can be found on the Canadian DSL.

SECTION 3 – PHYSICAL DATA

Boiling range (deg. F): N/A
Specific Gravity: 2.53 (H_2O = 1.0)
Type of odor: None
Evaporation rate: N/A
Melting Point = 660 C
Boiling Point > 1000 C

Lbs./Gal. at 20 C = 22.5
Appearance: Silver colored flakes
% VOC: 0.0

SECTION 4 – FIRE AND EXPLOSION DATA

Flammability: Not flammable
Self-flammability: Not self-igniting
danger of explosion: Product not explosive
Ignition temperature: 400 C
Flash Point Deg. F : N/A
Solubility in water/organic solvents: Insoluble

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Solids: 100.0 %
Extinguishing media: Class D Dry chemical extinguishing agent or other suitable extinguishing material such as dry sand. Do not use Class A, B, or C extinguishers or halogenated agents. Do not use water.

Unusual fire and explosion hazards: Closed containers may explode when exposed to extreme heat. Water and finely divided aluminum react violently to form hydrogen gas. Aluminum burns at very high temperatures as a mass.

Special firefighting procedures: If the aluminum has ignited, drum should be carefully isolated and fine dry sand placed around outside of container. Do not disturb the powder until it has cooled down to ambient temperature. do not allow dust clouds to form.

SECTION 5 -- HEALTH HAZARD DATA

Effects of exposure:
Eye contact: no effect
Skin contact: no effect
Inhalation: May cause irritation in respiratory tract
Primary Routes of Entry: Inhalation

SECTION 6 -- REACTIVITY DATA

Product Stability: stable
Conditions to avoid: acids, alkalies, strong oxidizing agents
Hazardous decomposition products: Aluminum reacts with acids, and alkalies to form hydrogen gas.

SECTION 7 -- SPILL OR LEAK PROCEDURES

Waste Disposal Method: Dispose of contaminated material in approved landfill or incinerator that can accept aluminum metal in accordnace with local, state, and federal regulations.

SECTION 8 -- SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use dust mask in confined or enclosed spaces, if needed.
Eyes: Do not wear contact lenses.

SECTION 9 -- SPECIAL PRECAUTIONS

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