

MATERIAL SAFETY DATA SHEET

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MSDS Number: MF-4002

24 Hour Emergency Number: 800-424-9300

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Hollow Microspheres
Part No.: MF_spheres
Supplier/Manufacturer:
Distributed by
Michigan Fiberglass Sales Inc.
22900 E. Industrial Dr.
St. Clair Shores, MI 48080 / Product Information: 586-777-2032

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name:	Silicic acid, sodium salt, boric acid, sodium salt
TSCA Registry Nos	This product is a mixture under TSCA. CAS Nos. for Identification purposes are 1344-09-8, 7775-19-1
DOT Hazard Class	N/A
DOT Shipping Name	N/A

3 Chemical and Physical Data

Appearance & Odor	Dry white powder Odorless.
Specific Gravity (liquids Only)	N/A
Bulk Density	0.08 g/cc
Solubility in water	Negligible
pH	N/A

4. Fire, Explosion and Reactivity Hazard Data

Flash Point (F)	Noncombustible
Special Fire Fighting Procedures	N/A
Stability	Stable
Conditions to avoid	none known
Incompatibility (materials to avoid)	none known
Hazardous Decomposition products	none

5. Health Hazard Data

Eye Contact	Causes irritation
Skin contact	May cause dehydration and irritation
Inhalation	Causes irritation to respiratory tract
Chronic Hazards	No known chronic hazards. None listed by OSHA, NTP, or IARC As a carcinogen.
Signs and symptoms of exposure	Sneezing and dryness of mucous membranes (inhalation) Redness and tearing (eye contact) Dryness, itching or burning (skin exposure)

6. Special Protection Information

Respiratory Protection	Use NIOSH-certified dust respirator where dust occurs
Gloves	Cotton gloves are usually sufficient to protect hands from irritation arising from handling this product.
Eye Protection	Use chemical goggles
Other Protective Equipment	Safety shower and eyewash fountain should be within direct access.
Personal Hygiene	Avoid breathing dust. Wash thoroughly after handling.
Engineering Control	Use with adequate ventilation.

7. Substances for which standards have been set

Component	Boron oxide
Percent	15%
OSHA PEL	15 mg /m ³
ACGIH TLV	10 mg/m ³

Note: This product is a sodium borosilicate which contains no free boron oxides per se. Toxicological test data and industrial experience are consistent with the conclusion that it is appropriate to treat this product as an inert nuisance dust.

Exposure Analysis Methods NOISH Manual of Analytical Methods, 3rd ed., Method 7501