

Material Safety Data Sheet

Effective: February 21, 2011

Section I – Product and Company Information:

Product Name: MastaSorb Oil-Only Absorbent Products
Chemical Family: Fiber treated with inorganic salts.

Manufacturer's Name | Address | Phone Number:

Applegate Insulation Systems of GA, LLC
1241 Meadowbrook Drive | Eastanollee, GA 30538
(888) 427-7534

Section II – Composition and Ingredient Information:

Recycled fiber, binder fiber, boric CAS NO: 10043-35-3, ammonium sulfate.
Contains no fiberglass, asbestos, or formaldehyde.

COMPONENT	% BY WEIGHT	EXPOSURE LIMITS	CANCER DESIGNATOR
Fiber:	Not less than 85%	PEL-TWA=15mg/m ³ total dust (PNOC) PEL-TWA=15mg/m ³ respirable fraction TLV-TWA=10mg/m ³ inhalable, no asbestos TLV-TWA=3mg/m ³ respirable, no asbestos	None
Boric Acid H3BO3	Not more than 5%	PEL=15mg/m ³ total dust (PNOC) PEL=5mg/m ³ respirable fraction TLV=10mg/m ³ (PNOC)	None
Ammonium Sulfate (NH ₄) ₂ SO ₄	Not more than 6%	PEL-TLV=5mg/m ³ respirable fraction PEL=15mg/m ³ total dust (PNOC) PEL-TWA=15mg/m ³ total dust (PNOC)	None

100% boric acid is hazardous under the OSHA Communication Standard based upon animal chronic toxicity studies.

Section III – Physical / Chemical Characteristics:

Appearance: Off White
Specific Gravity: n/a
Boiling, Melting, Flash Point: Not Applicable
Vapor Pressure: n/a
Odor: None
pH: n/a
Viscosity: n/a
Solubility: Fiber is not soluble. Chemicals are soluble.

Section IV - Health Hazard Information:

Ingestion: Not intended for ingestion. See physician if ingested.
Skin: Does not normally itch or irritate skin.
Inhalation: Dust may irritate nose or throat. Wear OSHA approved dust mask if irritating. If continued difficulty exists, move to fresh air.
Eyes: Dust may cause eye irritation. Wear goggles if eye irritation. Use fresh water to cleanse eye for several minutes. If irritation persists, seek medical attention.
OSHA Regulated: None known.
Carcinogenicity: None known

Section V – First Aid Measures

Eye Contact: Flush with water for 15 minutes. Consult a physician.
Ingestion: Not applicable
Inhalation: Not applicable
Skin Contact: Not applicable

Section VI - Fire and Explosion Hazards:

Extinguishing Media: **Unused form:** Water or any standard agent. **Used form:** that which is compatible to liquid(s) absorbed.
Special Fire Fighting Procedures: Wear a self-contained breathing apparatus and refer to absorbed liquid(s) MSDS(s).
Flash Point: Not Applicable
Combustible: Material may decompose on contact with extreme temperatures and open flames.
Flammable Limits: LEL: Not applicable UEL: Not applicable
Auto ignition Temperature: Not determined
Explosion Hazard: None expected

Section VII – Accidental Release Measures

Boric Acid May damage Trees or vegetation exposed to large quantities. Land: shovel, sweep or vacuum product, place in disposal container. Avoid bodies of water. Water; large quantities may cause localized contamination of surrounding waters depending on the quantity spilled. At high concentrations, may damage localized vegetation, fish and other aquatic life. This product is a non-hazardous waste when spilled or disposed of as defined in the Resource Conservation and Recovery Act (RCRA) regulations (40CFR 261).

Section VIII – Stability and Reactivity:

Stability: Stable
Hazardous Decomposition Composition: None
Hazardous Polymerization: Will not occur
Conditions to Avoid: Prolonged temperatures exceeding 250 F

Section IX - Personal Protection Information:

General Exposure Controls: No specific controls are needed.

Eyes: Safety glasses with side shields is a good industrial practice

Respirator: Not required.

Gloves: Not normally required. However, use of cloth, canvas or leather gloves is a good industrial practice.

Other Protective Clothing: None

Ventilation: Normal and adequate ventilation.

Work/Hygienic Practices: Standard hygienic practices.

Section X - Toxicological Information:

BORIC ACID

Boric Acid is classified as hazardous under the OSHA Hazard Communication Standard based on animal chronic toxicity studies.

Eye: Draize test in rabbits produced mild eye irritation effects. No adverse eye effects anticipated.

Skin: Low acute dermal toxicity, LD50 in rabbits is greater than 2000 mg/kg of body weight. Boric acid is poorly absorbed through skin.

Ingestion: TDLo, oral, human, 1'500 mg/kg, diarrhea, nausea, vomiting, LD50, oral, rat, 2840 mg/kg.

Inhalation: Low acute inhalation toxicity; LC50 in rates is greater than 2.0 mg/L (or g/m3).

Reproduction: Animal feeding studies in rat, mouse, and dog, at high doses, have demonstrated effects on fertility.

Mutagenicity: No mutagenic activity was observed for boric acid in a battery of short-term mutagenicity assays.

Section XI – Ecological Information:

BORIC ACID

Ecotoxicity: Daphnia magna, 48-hr LC50=133 mg B/L. Trout, 32-day LC50=100 B/L

Chemical Fate Information: Boron is naturally occurring and ubiquitous in the environment. Boric acid decomposes in the environment to natural borate. Boric acid is insoluble in water and is leachable through normal soil.

Section XII - Handling and Storage Information:

General: No special handling is required. To maintain product integrity, handle on a first-in-first-out basis.

Storage: Dry, indoor storage is recommended at ambient temperatures and atmosphere.

Storage Temperature: Ambient

Storage Pressure: Atmospheric

Special Sensitivity: None

Shelf Life: Indefinitely - as long as product is kept in a clean, dry place away from direct sunlight.

General: Refer to absorbed liquid(s) MSDS(s). Absorbents do not render liquids nonflammable, neutral or less hazardous.

Section XIII – Transport Information:

MastaSorb Oil-Only Absorbant is not a DOT hazardous substance.

Section XIV – Disposal Considerations

If unused, no special precautions are necessary. Dispose of in accordance with federal, state and local regulations. In certain types of cleanup applications the nature of the material recovered will classify the resulting spent material as a hazardous component. In such instances the material should be disposed of via an approved hazardous waste disposal service and the appropriate manifesting obtained.

Section XV – Regulatory Information:

Superfund: CERCLA/SARA. This product is not listed under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) or its 1986 amendments, the Superfund Amendments and Reauthorization Act (SARA), including substances listed under Section 313 of SARA, Toxic Chemicals, 42 USC 11023, 40 CFR 372.65; Section 302 of SARA Extremely Hazardous Substances, 42 USC 11002, 40 CFR 355; or the CERCLA Hazardous Substances list, 42 USC 9604, 40 CFR 302.

RCRA: This product is not listed as a hazardous waste under any sections of the Resource Conservation and Recovery Act or regulations (40 CFR 261 et seq.).

Safe Drinking Water Act: This product is not regulated under SDWA, 42 USC 300g-1, 40 CFR 141 et seq. Consult state and local regulations for possible water quality advisories regarding boron. California Proposition 65: This product is not listed on any Proposition 65 lists of carcinogens or reproductive toxicants.

OSHA Carcinogen: Not listed.

Clean Water Act (Federal Water Pollution Control Act): 33 USC 1251 et seq.: This product is not itself a discharge covered by any water quality criteria of Section 304 of CWA, 33 USC 1314. This product is not on the Section 307 List of Priority Pollutants, 33 USC 1317, 40 CFR 116. This product is not on the Section 311 List of Hazardous Substances, 33 USC 1321, 40 CFR 116.

TSCA No.: This product does not appear on the EPA TSCA inventory list. Boric acid appears on the EPA TSCA inventory list under CAS Number 10043-35-3.

IARC: The International Agency for Research on Cancer (of the World Health Organization) does not list or categorize this product as a carcinogen.

NTP Annual Report on Carcinogens: Not listed.

ABBREVIATIONS:

CAS Chemical Abstract Services (identifies specific chemical)

LCLo Lethal concentration low

ppm Parts per million

LD50 Lethal dose 50%

TDLo Toxic dose low

mg/ m3 Milligrams per cubic meter

OSHA Occupational Safety and Health Administration

PEL OSHA Permissible Exposure Limit

LC50 Lethal concentration 50%

RTECS Registry of Toxic Effects of Chemical Substances

TLV ACGIH Threshold Limit Value

TWA 8 hour Time Weighted Average exposure

PNOc Particulates Not Otherwise Classified

LDLo Lethal dose low

RfD Reference Dose

LOAEL Lowest Observed Adverse Effect Level

mg/kg Milligrams per kilogram

Disclaimer: The information presented has been compiled from sources considered to be dependable and is reliable to the best of our knowledge but is not guaranteed to be so. This Material Safety Data Sheet is offered solely for your information, considerations, and investigations. Although the identified product is generally not considered to be toxic, and to the best knowledge of the Manufacturer, there are no known serious health hazards related to its normal and intended use. This product has not been tested as a whole for all potential health affects. It may have other health hazards related to its components. This MSDS is not to be construed as recommending any practice or product in violation of any law or regulation.

The LORD is my light and my salvation; whom shall I fear? The LORD is the strength of my life; of whom shall I be afraid? **Psalm 27:1**