

SAFETY DATA SHEET

TERMITE POWDER



Section 1: IDENTIFICATION

Trade Name: Harris Termite Powder

Product code/ID: TERM-16

EPA Reg. No.: 3-14

Recommended use: Termiticide, Insecticide, Fungicide

Manufacturer/Marketer Identification:

PF Harris Manufacturing Co., LLC

7 River Dr., P O Box 1922

Cartersville, GA 30120

Emergency Phone Numbers:

1-800-637-0317

Section 2: HAZARDS IDENTIFICATION

Hazards classification: Mild eye irritant

Signal Word: Warning

Hazard statements: Prolonged contact may cause mild eye irritation

Pictogram(s): NONE

Chronic / Long Term Effects: NONE

Signs and Symptoms of Overexposure: Inhalation is the most significant route of exposure in occupational and other settings. Dermal exposure is not usually a concern because Termite Powder is not absorbed through intact skin.

Target Organ Effects: None

Reproductive/Developmental Information:

Long- term, high dose animal ingestion studies have demonstrated reproductive effects in male animals. A human study of occupational exposure to borate dust showed no adverse effect to reproduction.

Carcinogenic Information: Not a Carcinogen!

EMERGENCY OVERVIEW: Termite Powder is not flammable, combustible, or explosive, and it presents no unusual hazard if involved in a fire. Termite Powder presents little or no hazard (to humans) and has low acute oral and dermal toxicities. Care should be taken to minimize the amount of Termite Powder released to the environment to avoid ecological effects.

Acute/Potential Health Effects:

EYES: Non-irritating in normal use.

SKIN: Non-irritating.

INHALATION: Occasional mild irritation effects to nose and throat may occur from inhalation of Termite Powder dusts at levels greater than 10 mg/m³.

INGESTION: Termite Powder has a relatively low acute toxicity. Small amounts (e.g. a teaspoonful) swallowed accidentally are not likely to cause effects; swallowing amounts larger than that may cause gastrointestinal symptoms.

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Section 3: COMPOSITION, INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	%BY WGHT.
Disodium octaborate tetrahydrate	12280-03-4	98%

Section 4: FIRST AID MEASURES

Inhalation: No specific treatment is necessary since Termite Powder is not likely to be hazardous by inhalation. Prolonged exposure to dust levels in excess of regulatory limits should always be avoided. If irritation is observed remove person to fresh.

Eye Contact: Use eye wash fountain or fresh water to cleanse eye. If irritation persists for more than 30 minutes, seek medical attention.

Skin Contact: No treatment necessary because non-irritating. **Ingestion:** Swallowing less than one teaspoon will cause no harm to healthy adults. If larger amounts are swallowed, give two glasses of water to drink and seek medical attention.

NOTE TO PHYSICIANS: Observation only is required for adult ingestion of less than 6 grams of Termite Powder. For ingestion in excess of 6 grams, maintain adequate kidney function and force fluids. Gastric lavage is recommended for symptomatic patients only. Hemodialysis should be reserved for massive acute ingestion or patients with renal failure. Analyses of urine or blood are only useful for documenting exposure and should not be used to evaluate severity of poisoning or to guide treatment. (Further Information: Litovitz T.L., Norman, S.A., Veltri, J. C., Annual Report of the American Association of Poison Control Centers Data Collection System. Am.J. Emerg. Med. 1986; 4:427-458). 24 hour Medical consultation is available at (866) 267-2837.

Section 5: FIRE FIGHTING MEASURES

General Hazard: None, because Termite Powder is not flammable, combustible or explosive. The product is itself a flame retardant

Extinguishing Media: Any fire extinguishing media may be used on nearby fires.

Flammability Classification (29 CFR 1910.1200): Non-flammable solid.

Section 6: ACCIDENTAL RELEASE MEASURES

General: Termite Powder is a water-soluble powder that may cause damage to trees or vegetation by root absorption. (Refer to Ecological Information Section 12 for specific information).

Land Spill: Vacuum, shovel or sweep up spilled product and place in containers for disposal in accordance with applicable local regulations. Avoid contamination of water bodies during clean up and disposal. No personal protective equipment is needed to clean up land spills.

Water Spill: Termite Powder will cause localized contamination of surrounding waters depending on the quantity dissolved in these waters. At high concentrations some damage to local vegetation, fish and other aquatic life may be expected. (Refer to Sections 12, 13 and 15 for additional information). Termite Powder is a non-hazardous waste when spilled or disposed of, as defined in the

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Section 6: ACCIDENTAL RELEASE MEASURES (cont'd)

Resource Conservation and Recovery Act (RCRA) regulations (40 CFR 261). (Refer to Regulatory Information Section 15 for additional references and information regarding EPA and California regulations.)

Section 7: HANDLING AND STORAGE

Storage Temperature: Ambient **Storage Pressure:** Atmospheric

Special Sensitivity: Moisture (Caking)

General: No special handling precautions are required, but dry, indoor storage is recommended. To maintain package integrity and to minimize caking of the product, cans/cases should be handled on a "first-in first-out" basis. Good house-keeping procedures should be followed to minimize dust generation and accumulation

Section 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

Engineering Controls: Use local exhaust ventilation to keep airborne concentrations of Termite Powder dust below permissible exposure levels.

Personal Protection: Where airborne concentrations are expected to exceed exposure limits, NIOSH/MSHA certified respirators must be used. Eye goggles and gloves are not required for normal industrial exposures, but may be warranted if environment is excessively dusty.

OSHA PEL: 15 mg/m³ total dust and 5mg/m³ respirable dust

ACGIH TLV: 10 mg/m³

Cal OSHA PEL: 10 mg/m³

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): White, odorless powder

Odor threshold: Not determined

pH: @ 20°C 8.3 (3%), 7.5 (10%)

Melting point/freezing point: 815°C

Initial boiling point and boiling range: N/A

Flash point: None

Evaporation rate: None

Flammability (solid, gas): None

Upper/lower flammability or explosive limits: None

Vapor pressure: Negligible @ 20°C

Vapor density: N/A

Relative density: N/A

Solubility(ies): 9.7% @20°C; 34.3% @ 50°C

Partition coefficient: n-octanol/water: Not applicable

Auto-ignition temperature: Not applicable

Decomposition temperature: Not applicable

Viscosity: Not applicable

Bulk density: 320-480 kg/ml

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Section 10: Stability and REACTIVITY

Chemical Stability: Stable

Hazardous Polymerization: None

Conditions to avoid/Hazardous Decomposition Products/ Incompatibility: Reaction with strong reducing agents such as metal hydrides or alkali metals will generate hydrogen gas which could create an explosive hazard.

Section 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure: Inhalation of dusts most likely route of exposure.

Delayed, immediate, long-term effects from short, long term exposure:

Ingestion LD₅₀: Rats 2550 mg/kg of body weight

Dermal LD₅₀ rabbits >2000mg/kg of body weight. Termite Powder is poorly absorbed through the skin. Not a skin sensitizer.

Inhalation LC₅₀ rats is >2.0 mg/L (g/m³)

Symptoms of exposure: Mild irritation of eyes.

Whether Listed in NTP, IARC programs (Carcinogens): Not listed

REPRODUCTIVE/DEVELOPMENTAL TOXICITY: Animal feeding studies indicate effects on fertility and testis. These feed studies were conducted under chronic exposure conditions leading to doses many times in excess of those that could occur through inhalation of dust in occupational settings.

Human Data: Human epidemiology studies show no increase in pulmonary disease in occupational populations with chronic exposures to boric acid and sodium borate dust. A recent epidemiology study under the conditions of normal occupational exposure to borate dusts indicated no effect on fertility.

Section 12: ECOLOGICAL INFORMATION

General: Boron is the element in Termite Powder which is used by convention to report borate product ecological effects. It occurs naturally in seawater at an average concentration of 5mgB/L and generally occurs in freshwater at concentrations up to 1mgB/L. In dilute aqueous solutions the predominant boron species is un-dissolved boric acid. To convert to disodium octaborate tetrahydrate into the equivalent boron(B) content, multiply by 0.2096.

Phytotoxicity: Boron is an essential micronutrient for healthy growth of plants; however, it can be harmful to boron-sensitive plants (e.g. grass and ornamentals) in high quantities. Care should be taken to minimize the amount of product accidentally spilled and released to the environment.

Algal toxicity: Green algae 96 hr EC₁₀ = 24 mg B/L¹

Invertebrate toxicity: Daphids 24 hr EC₅₀ = 242 mg B/L¹

Fish toxicity: Seawater: Dab, Limanda 96hr LC₅₀ 74 mg B/L¹

Freshwater: Rainbow trout - 24 day LC₅₀=88 mg B/L¹

32 day LC₅₀=54 mg B/L¹

Goldfish - 7 day LC₅₀= 65mg B/L¹

3 day LC₅₀= 71mg B/L¹

Test substance¹: sodium tetraborate

Environmental fate data: Persistence/degradation: Boron is naturally occurring and ubiquitous in the environment. Termite Powder decomposes in the environment to natural borate.

Octanol/water partition coefficient: No value. In aqueous solution Termite Powder is converted substantially into unsolvated boric acid.

Soil mobility: Termite Powder is soluble in water and is leachable through normal soil.

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Section 13: DISPOSAL CONSIDERATIONS

Small quantities of Termite Powder can usually be disposed of at landfill sites. No special disposal treatment is required, but local authorities should be consulted about any special local requirements. Tonnage quantities of product are not recommended to be land filled. Such should, if possible, be used for an appropriate application.

RCRA(40CFR 261): Not listed under any sections.

Section 14: TRANSPORTATION INFORMATION NOT REGULATED

D.O.T. Shipping Name / Class: N/A
UN number: N/A
Un proper shipping name: N/A
Transport class: N/A
Packing group: N/A
Environmental hazards: N/A
Bulk shipping: N/A
Special precautions when handling: None

Section 15: REGULATORY INFORMATION

TSCA No.: Registered pesticide, exempt from TSCA.

FIFRA: Termite Powder is registered with the EPA, in accordance with Section 3 of FIFRA, as a pesticide product. Refer to EPA approved product label for additional product Hazard and Precautionary information.

RCRA: Termite Powder is not listed as a hazardous waste under any sections of the Resource Conservation and Recovery Act or regulations (40 CFR 261 etseq.).

Superfund: CERCLA/SARA. Termite Powder is not listed under CERCLA (the Comprehensive Environmental Response Compensation and Liability Act) or its 1986 amendments, SARA, (the Superfund Amendments and Reauthorization Act), 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. **Safe Drinking Water Act:** Clean Water Act (Federal Water Pollution Control Act): 33 USC 1251 et seq.

- (a) Termite Powder is not itself a discharge covered by any water quality criteria of Section 304 of the CWA, 33 USC 1314.
- (b) It is not on the Section 307 List of Priority Pollutants, 33 USC 1317, 40 CFR 129. (c) It is not on the Section 311 List of Hazardous Substances, 33 USC 1321, 40 CFR 116.
- (c) It is not on the Section 311 List of Hazardous Substances, 33 USC 1321, 40 CFR 116.

OSHA/Cal OSHA: This MSDS document meets the requirements of both OSHA (29 CFR 1910.1200) and Cal OSHA (Title 8 CCR 5194(g)) hazard communication standards. Refer to Section 8 for regulatory exposure limits.

IARC: Not listed

NTP Annual Report on Carcinogens: Not listed.

OSHA Carcinogen: Not listed.

California Proposition 65: Not listed on any Proposition 65 lists of carcinogens or reproductive toxicants.

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Section 16: OTHER INFORMATION

This information was compiled from current manufacturer's MSDS's of the component parts of the product. Disclaimer: The Manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

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