

# MATERIAL SAFETY DATA SHEET

## SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Dr. Martin's Ant Gel  
**Chemical Formula: Active Ingredient**  $\text{Na}_2\text{B}_8\text{O}_{13} \cdot 4\text{H}_2\text{O}$   
**Chemical Name/ Synonyms: Active Ingredient** Disodium Octaborate Tetrahydrate – (DOT)  
**Chemical Family: Active Ingredient** Inorganic Borates  
**CAS Registry Number: Active Ingredient** 12280-03-4  
**TSCA Inventory Number:** 12008-41-2  
**EPA Registration Number:** 73766-1-53883  
**Emergency Phone Number:** 281-892-2500  
**Manufacturer:** Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

<b>NFPA Classification:</b>		<b>HMS Classification:</b>	
Health	0	Red (Flammability)	0
Flammability	0	Yellow (Reactivity)	0
Reactivity	0	Blue ( Acute Health)	1*

\* Chronic Effects

## SECTION II- HAZARD IDENTIFICATION

**OVERVIEW:** Dr. Martin's Ant Gel is a flowable solution containing DOT and is not flammable, combustible or explosive and presents no unusual hazard if involved in a fire. Dr. Martin's Ant Gel presents little or no hazard (to humans) and has low acute oral and dermal toxicities

### POTENTIAL HEATH EFFECTS:

**Routes of Exposure:** Ingestion is the most significant route of exposure in occupational and other settings. Dermal exposure is not a concern because Dr. Martin's Ant Gel is not absorbed through intact skin.

**Inhalation:** Gel is not likely to be inhaled

## SECTION III – FIRST AID MEASURES (DOT)

**Inhalation:** No specific treatment is necessary since Dr. Martin's Ant Gel is not likely to be hazardous by inhalation. Prolonged exposure to dust levels (DOT) in excess of regulatory limits should always be avoided.

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

**Skin Contact:** Wash with soap and water.

**Ingestion:** Swallowing less than sixteen teaspoons of Dr. Martin's Ant Gel will cause no harm to healthy adults. If larger amounts are swallowed, give two glasses of water to drink and seek medical attention.

**Ingestion:** Products containing DOT are not intended for ingestion. DOT has a relatively low acute toxicity. Small amounts (e.g. a teaspoon) swallowed accidentally are not likely to cause effects; swallowing amounts larger than that may cause gastrointestinal symptoms. Being strongly diluted in this formulation, no effects are expected.

**Skin Contact:** Dr. Martin's Ant Gel does not cause irritation to intact skin.

**Target Organs:** No target organ has been identified in humans. High dose animal ingestion studies indicate the testes are the target organs in male animals, though human studies have not shown such results.

**Eye Contact:** Dr. Martin's Ant Gel is non-irritating to the eyes in normal industrial use

### Note to Physicians:

Observation only is required for adult ingestion of less than 6 grams of DOT. 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. DOT analysis of urine or blood are only useful for documenting exposure and should not be used to

Evaluate severity of poisoning or to guide treatment. (For 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

## SECTION IV – FIRE FIGHTING MEASURES

**General Hazard:** None, because Gourmet Ant Bait is not flammable, combustible, or explosive.

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

**Flammability Classification (29 CFR 1910.1200):**  
Non –Flammable solid

## SECTION V – ACCIDENTAL RELEASE MEASURES

**General:** Dr. Martin's Ant Gel is a gel.

**Land Spill:** No personal protective equipment is needed to clean up land spills.

## SECTION VI – HANDLING AND STORAGE

**Storage Temperature:** Room Temperature (72° F)

**Shelf Life:** It is advised that the product be used within two years.

**Storage Pressure:** Atmospheric

**Storage Conditions:** Dry, indoor storage

## SECTION VII – EXPOSURE CONTROLS/ PERSONAL PROTECTION

None

## SECTION VIII – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Viscous Gel

**Sol. In Water:** 100%

**Specific Gravity:** 1.2

**pH:** 5.5

## SECTION IX- TOXICOLOGICAL INFORMATION

**Ingestion (Acute Oral Toxicity):** Low acute oral toxicity; LD<sub>50</sub> in rats is 42500 mg/kg of body weight.

Dr. Martin's Ant Gel is not absorbed through intact skin.

**Skin (Acute Dermal Toxicity):** Low acute dermal toxicity; LD<sub>50</sub> in rabbits is greater than 33320 mg/kg of body weight.

**Primary Skin Irritation Index:** 0 (zero). Dr. Martin's Ant Gel is non-corrosive  
**Eye:** Draize test in rabbits produced mild irritation.

## SECTION X – DISPOSAL

**Disposal Guidance:** No special disposal treatment is required, but refer to state and local regulations for applicable site-specific requirements. Such product should be re-used for an appropriate application

**RCRA (40CFR 261):** Dr. Martin's Ant Gel is not listed under any sections of the Federal Resource Conservation and Recovery Act (RCRA).

## SECTION XI – TRANSPORTATION INFORMATION

**Hazardous Material Classification:** Dr. Martin's Ant Gel is not a U.S. Department of Transportation Hazardous Material.

**Hazardous Substance Classification:** Dr. Martin's Ant Gel is not a U.S. Department of Transportation Hazardous substance.

**International Transportation:** Dr. Martin's Ant Gel has no U.N. Number and is not regulated under any international rail, highway, water, or air transport regulations.

## SECTION XII – REGULATORY INFORMATION

**RCRA:** Dr. Martin's Ant Gel is not listed under any sections of the Federal Resource Conservation and Recovery Act or regulations (40 CFR 261 et seq.).

40CFR 141 et.seq.. Consult state and local regulations for possible water quality advisories regarding boron.

**Superfund:** CERCLA/ SARA. Dr. Martin's Ant Gel is not listed under CERCLA (the Comprehensive Environmental Response Compensation and Liability Act) or its 1986 amendments SARA (Superfund Amendments and Reauthorization Act).

**IARC:** The International Agency for Research on Cancer (of the World Health Organization) does not list or categorize Gourmet Ant Bait

**Safe Drinking Water Act:** Gourmet Ant Bait is not regulated under the SDWA, 42 USC 300g-1,

**California Proposition 65:** Dr. Martin's Ant Gel

Manager of Technical Services

not listed on any Proposition 65 lists of carcinogens or reproductive toxicants.

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