

AC2T

Safety Data Sheet

Spartan Mosquito Pro Tech

EPA Reg. No. 93813-1

Issued 03/25/2022

SECTION 1- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT/CHEMICAL NAME:	Spartan Mosquito Pro Tech	EMERGENCY PHONE NO.	1-800-222-1222
IDENTIFICATION:	Attractant Toxic Sugar Bait	HMIS/NEPA HAZARD RATING 4 = Extreme 3 = Serious 2 = Moderate 1 = Minimal	
COMPANY:	AC2T PO Box 18556 Hattiesburg MS 39404		

SECTION 2 - HAZARD IDENTIFICATION

HAZARD CLASSIFICATION:	Repr 1B H360	SYMBOL:	
Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Potential Chronic Health Effects: CARCINOGENIC EFFECTS: Not Available. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not Available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [POSSIBLE]. The substance may be toxic to kidneys, cardiovascular system, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organ damage.			
HAZARD STATEMENT:	H360D - May damage fertility or unborn children.	SIGNAL WORD:	Danger
Precautionary statements:			
P201 - Obtain special instructions before use		P202 - Do not handle until all safety precautions have been read and understood.	

SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

COMPOSITION/ CAS No.	CAS #	RTECS #	Weight % (dry basis)
Boric Acid	10043-35-3	ED4550000	9.04%

SECTION 4- FIRST AID MEASURES

HEALTH HAZARDS Avoid contact with eyes. Wash thoroughly after handling.		
POTENTIAL HEALTH EFFECTS	ACUTE	CHRONIC
1. INHALATION	Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Get medical attention immediately if symptoms occur.	No Data Available
2. EYE CONTACT	Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.	No Data Available
3. SKIN	Wash affected area immediately with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothes and wash before reuse. Seek medical attention if discomfort or irritation persists.	No Data Available
4. INGESTION (Swallowing)	Rinse mouth thoroughly. Do not induce vomiting. Call a physician or Poison Control Center immediately.	No Data Available
Most important symptoms and effects, both acute and chronic	Irritation, Nausea, Headache, Shortness of breath, Irritation - all routes of exposure. May cause central nervous system effects. Diarrhea. Vomiting; may impair fertility. May cause harm to unborn child. May cause adverse liver and kidney effects	

SECTION 5 - FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Dry chemical type preferred. Carbon dioxide, foam, water spray, sand, or earth is also recommended.
SPECIFIC PRECAUTIONS AND INSTRUCTIONS FOR FIRE FIGHTERS	Not Available
SPECIFIC HAZARDS (Unusual Fire & Explosion Hazards)	The material is slightly flammable to flammable at high temperatures
SPECIFIC HAZARDS	Typical Decomposition Products: carbon oxides (CO/CO ₂)
EXPLOSION HAZARDS	A mixture of potassium and boric acid may explode on impact. A mixture of boric acid and acetic anhydride will explode when heated to 58-60C

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SMALL SPILL	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
PROTECTIVE EQUIPMENT:	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Consult this SDS and with local authorities.

SECTION 7 - HANDLING AND STORAGE

Precautions:	Wash hands after handling material. Do not ingest. Do not breathe dust. Keep locked away from children and pets. Keep away from heat and sources of ignition.
Storage:	Store unused material in a dry, dark, well-ventilated and cool area. Do not store above 23°C (73.4°F).
Skin Protection:	Not required. However, it is considered good practice to wear gloves and safety glasses
Other Protective Clothing Or Equipment	Recommend using good personal hygiene practices and a clean source of water for flushing eyes and skin.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPOSITION/ CAS No.	CAS #	EXPOSURE GUIDELINES ¹	
		ACGIH* TLV (8-hr TWA)**	OSHA*** 1910.1000 PEL **** (8-hr TWA)**
Boric Acid	10043-35-3	2 mg/M3	
1. State, local or other agencies may have established more stringent limits. Consult local agencies for further information.			
* ACGIH = American Conference of Governmental Industrial Hygienist		*** OSHA = Occupational Safety and Health Administration	
** TLV-T WA = Threshold Limit Value-Time Weighted Average		**** PEL = Permissible Exposure Limit	
ENGINEERING CONTROLS	Mechanically ventilate the work environment to reduce dust concentration and to maintain normal atmospheric oxygen levels.		
EYE PROTECTION	Approved eye protection, such as safety glasses or goggles, to safeguard against potential eye contact is recommended.		
SKIN PROTECTION	Not required. However, it is considered good practice to wear gloves when handling.		
OTHER PROTECTIVE CLOTHING OR EQUIPMENT	Recommend using good personal hygiene practices and a clean source of water for flushing eyes and skin.		

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid, white with tan or tan with white	ODOR	Carmel to Odorless
FLAMMABILITY	May be combustible at high temperatures	DECOMPOSITION TEMPERATURE	MP: 169°C to HBO ₂ & -1 1/2 H ₂ O @ 300°C
FLASH POINT	Higher than 93.3°C (200°F).	EVAPORATION RATE	Not available
IONICITY (in water)	Not available	EXPLOSIVE HAZARD	Not available
MELTING POINT/FREEZING POINT	MP: 169°C; FP: Not determined	BOILING POINT	300°C
ODOR THRESHOLD	Not determined.	pH (@ 1.0%)	5.2
SOLUBILITY (in water)	Soluble in hot or cold water	SPECIFIC DENSITY	1.435- 1.587
VAPOR PRESSURE & DENSITY	Not available	VISCOSITY	Not available
DECOMPOSITION TEMPERATURE	100°C	WATER/OIL DIST. COEFF	Not available

SECTION 10 - STABILITY AND REACTIVITY

INSTABILITY TEMPERATURE	Not available	CHEMICAL STABILITY	Stable
CONDITIONS OF INSTABILITY	High Temperatures, dust generated incompatible materials.	REACTIVITY	Potassium, Acetic Anhydride, Sulfuric & Nitric Acid
INCOMPATIBLE MATERIALS	Acids, Alkalis & oxidizing agents	CORROSIVITY	Not available
POLYMERIZATION	Will not occur		

SECTION 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS	
Routes of Entry	Absorbed through skin. Inhalation. Ingestion
Toxicity to Animals	Acute oral toxicity (LD50): 3500 to 4100 mg/Kg of body weight [Rat]; Acute dermal toxicity (LD50): > 2000 mg/Kg of bodyweight [Rabbits]
Chronic Effects on Humans	MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [POSSIBLE]. May cause damage to the following organs: kidneys, cardiovascular system, central nervous system (CNS).
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	May cause adverse reproductive effects (fertility, toxicity) based on animal studies. May affect genetic material. May cause teratogenic effects based on animal studies.
Special Remarks on other Toxic Effects on Humans	Acute Potential Health Effects: Skin: May cause skin irritation. May be absorbed through damaged or abraded skin in harmful amounts. If absorbed through skin it may affect behavior, sense organs, metabolism, the gastrointestinal tract, and the respiratory tract (respiratory depression) Eyes: Dust causes eye irritation. Inhalation: Dust causes respiratory tract irritation. Ingestion: Causes digestive (gastrointestinal) tract irritation with nausea, vomiting and diarrhea. May also affect behavior, brain, the Central Nervous System (depression, headache, dizziness, drowsiness, collapse, unconsciousness, coma), Peripheral Nervous System, cardiovascular system, blood, liver, urinary system (kidney, ureter, bladder) and endocrine system. Chronic Potential Health Effects: Boric acid can accumulate in the body (brain, bone) with repeated exposure. Prolonged or repeated skin contact may cause dermatitis. May cause borism characterized by dry skin, skin eruptions, and gastric disturbances.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY	Not Available
BOD5 and COD	Not Available
PHYTOTOXICITY	Algal toxicity - Green algae, 72-hr EC50 -biomass = 229mg/L boric acid (Hansveit and Oldersma, 2000). Invertebrate toxicity - Daphnia, 48-hr LC50 = 760 mg/L boric Acid (Gersich, 1984a). Fish toxicity - Fatheaded minnow, 96-hr LC50 = 456 mg/L boric acid (Soucek et al., 2010).
MOBILITY IN SOIL	The product is soluble in water
PRODUCTS OF BIODEGRADATION	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL	This material, if discarded in the same form as the product, is not a RCRA "listed" or "characteristic" hazardous waste. Method of disposal selected is subject to compliance with applicable federal, state and local laws and regulations and product characteristics at the time of disposal.
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SECTION 14 - TRANSPORT DISPOSAL CONSIDERATIONS

DOT CLASSIFICATION	Not a DOT Controlled material (United States)	IDENTIFICATION	Not applicable. Not regulated by DOT
SPECIAL PROVISIONS for TRANSPORT	Not Available	IATA	Not dangerous goods.

SECTION 15 - REGULATORY INFORMATION

EPA Reg. No. 93813-1	
US TSCA Chemical Inventory Section 8(b)	10043-35-3
Country or Region	On inventory
Canada (DSL)	10043-35-3
Europe (EINECS)	233-139-2
Japan (ENCS)	(1)-63
Korea (ECL)	1-439
REACH Registration: Boric Acid is listed in the Candidate List of Substances of Very High Concern "SVHC" for eventual inclusion in Annex XIV to REACH Regulation 1907/2006 ("Authorization List"). (18.06.2010-ED/30/2010). Boric Acid is listed in the Annex XVII of REACH Regulation 1907/2006 (EU No. 109/2012) and its use in consumer products above specific concentration limits is restricted. Note that this restriction is only specific to consumer products and do not cover its industrial and/or professional applications. Boric Acid can be used in consumer products below specific concentration limits (>= 5.5% for Boric Acid).	

SECTION 16- DOCUMENTARY INFORMATION

ISSUE DATE	03/25/2022
PREVIOUS ISSUE DATE	03/04/2020
IDENTIFICATION	Boric Acid
REVISION No.	1.6

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