Material Safety Data Sheet

Drax® Liquidator Ant Bait

SDS # : 6600-A
Revision Date: 2012-01-11
Version 1

This MSDS has been prepared to meet U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Workplace Hazardous Materials Information System (WHMIS) requirements.

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Drax® Liquidator Ant Bait

Formula code 6600-A

Active Ingredient(s) Orthoboric Acid (Boric Acid)

Manufacturer
FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103
General Information:
Phone: (215) 299-6000
E-Mail: msdsinfo@fmc.com

Emergency telephone number
Medical Emergencies:
(800) 331-3148 (U.S.A. & Canada)
+1 (651) 632-6793 (All Other Countries - Collect)
For leak, fire, spill or accident emergencies, call:
+1 800.424.9300 (CHEMTREC - U.S.A.)
+1 703.527.3887 (CHEMTREC - Collect - All Other Countries)

2. Hazards identification

Appearance Clear liquid

Physical state liquid

Odor sweet

Potential health effects

Principle Routes of Exposure Eye contact, Skin contact, Ingestion.

Acute effects

Eyes May cause slight irritation.

Skin Substance may cause slight skin irritation.

Ingestion Ingestion may cause gastrointestinal discomfort including nausea, vomiting and diarrhea if large amounts are ingested. May cause central nervous system depression.

Chronic effects Contains a known or suspected reproductive toxin.

3. Composition/information on ingredients

Hazardous ingredients

Chemical Name	CAS-No	Weight %
Sucrose	57-50-1	20-30
Boric acid	10043-35-3	1

4. First aid measures

Eye contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
Skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not induce vomiting or give anything by mouth to an unconscious person.

5. Fire-fighting measures

Sensitivity to Mechanical Impact	not applicable
Sensitivity to Static Discharge	not applicable
Suitable extinguishing media	Carbon dioxide (CO_2). Foam. Dry chemical. If necessary. Use water spray or fog; do not use straight streams.
Protective equipment and precautions for firefighters	Wear self-contained breathing apparatus and protective suit. Isolate fire area. Evaluate downwind.

NFPA

Health Hazard	1
Flammability	1
Stability	0
Special Hazards	-

6. Accidental release measures

Personal precautions	For personal protection see section 8., Isolate and post spill area, Remove all sources of ignition, Wear suitable protective clothing, gloves and eye/face protection.
Environmental precautions	Keep people and animals away from and upwind of spill/leak, Keep material out of lakes, streams, ponds, and sewer drains
Methods for cleaning up	Sweep up and shovel into suitable containers for disposal. Clean and neutralize spill area, tools and equipment by washing with bleach water and soap. Absorb rinsate and add to the collected waste. Dispose of waste as indicated in Section 13.
Other	For further clean-up instructions call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

7. Handling and storage

Handling	Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal. Reference to other sections.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Store in original container only.

8. Exposure controls/personal protection

Exposure guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
Sucrose 57-50-1	TWA: 10 mg/m³	TWA: 15 mg/m³ TWA: 5 mg/m³	TWA: 10 mg/m³ TWA: 5 mg/m³	Mexico: TWA 10 mg/m³ Mexico: STEL 20 mg/m³
Boric acid 10043-35-3	STEL 6 mg/m³ TWA: 2 mg/m³			

Chemical Name	British Columbia	Quebec	Ontario TWAEV	Alberta
Sucrose 57-50-1	TWA: 10 mg/m³ TWA: 3 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³
Boric acid 10043-35-3	TWA: 2 mg/m³ STEL: 6 mg/m³		TWA: 2 mg/m³ STEL: 6 mg/m³	

Occupational exposure controls

Engineering measures Apply technical measures to comply with the occupational exposure limits, When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Personal Protective Equipment

General Information Clean water should be available for washing in case of eye or skin contamination. Wash hands prior to eating, drinking chewing gum or using tobacco. Shower or bathe at the end of working.

Respiratory protection For dust, splash, mist or spray exposures wear a filtering mask.

Eye/face protection For dust, splash, mist or spray exposure, wear chemical protective goggles or a face-shield.

Skin and body protection Wear long-sleeved shirt, long pants, socks, shoes, and gloves.

Hand protection Protective gloves

Hygiene measures Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

9. Physical and chemical properties

Appearance Clear liquid
Color Clear
Physical state liquid
Odor sweet
pH No information available.
Melting Point/Range No information available.
Freezing point No information available
Boiling Point/Range 212 °F
Flash Point not applicable
Evaporation rate not applicable
Autoignition Temperature not applicable
Vapor pressure No information available
Vapor density No information available
Specific Gravity 1.3
Water solubility Soluble in water
Percent volatile No information available
Partition coefficient: not applicable
Viscosity No information available

Oxidizing properties not applicable

10. Stability and reactivity

Stability Stable

Conditions to avoid Heat, flames and sparks

Materials to avoid Acetic anhydride, Elemental potassium

Hazardous decomposition products None known

Hazardous polymerization Hazardous polymerization does not occur

11. Toxicological information

Acute Toxicity

Large amounts of boric acid absorbed into the blood stream from ingestion or skin absorption through damaged skin may cause effects to the central nervous sytem including dizziness, depression, vomiting, nausea or diarrhea.

Eye contact May cause slight irritation.

Skin contact May cause slight irritation.

Ingestion Ingestion may cause gastrointestinal discomfort including nausea, vomiting and diarrhea if large amounts are ingested.

Inhalation Not an expected route of exposure.

LD50 Oral > 2000 (rabbit) Boric acid
3160 (rat) Boric acid

Chronic Toxicity - Other Ingredient(s)

Chronic Toxicity Contains a known or suspected reproductive toxin.

Carcinogenicity Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).

Reproductive toxicity Animal studies have shown that ingestion of large amounts of Borates over prolonged periods of time cause a decrease in sperm production and testicle size in males.

Developmental Toxicity Animal studies have shown that ingestion of large amounts of Borates produced developmental effects in fetuses of pregnant animals.

Target Organ Effects Central nervous system (CNS), Gastrointestinal tract (GI), Reproductive System.

12. Ecological information

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Boric acid				EC50 115 - 153 mg/L 48 h

Environmental Fate

Chemical Name	log Pow
Boric acid	-0.757

13. Disposal considerations

Waste disposal methods Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance.

Contaminated packaging Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions.

14. Transport information

DOT not regulated

Proper shipping name Orthoboric Acid

TDG not regulated

ICAO/IATA not regulated

IMDG/IMO not regulated

15. Regulatory information

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical Name	U.S. - TSCA (Toxic Substances Control Act) - Section 8(a) - Chemical-Specific Reporting and Recordkeeping
Sucrose	Partially exempt chemical substance under 40 CFR 710.46(b)(2)

International Regulations

Mexico - Grade No information available

Chemical Name	Carcinogen Status	Mexico
Sucrose		Mexico: TWA 10 mg/m³ Mexico: STEL 20 mg/m³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class D2A Very toxic materials

16. Other information

Revision Date: 2012-01-11
Reason for revision: (M)SDS sections updated.

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Prepared By

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End of Material Safety Data Sheet