






MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PIC Ant Killing Gel		DATE: March 26, 2010					
PRODUCT NUMBER:							
TRADE NAME: PIC Ant Killing Gel GENERAL USE: Ant Killer CHEMICAL FAMILY: Inorganic Borates PRODUCT DESCRIPTION: Viscous fluid or Gel.							
MANUFACTURER PIC CORPORATION		DATE PREPARED: March 26, 2010					
TELEPHONE NUMBER (General Inquiries) (908) 862-7977		SUPERSEDES: New Edition					
ADDRESS (NUMBER, STREET, P.O. BOX) 1101-1107 WEST ELIZABETH AVENUE		CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBERS					
(CITY, STATE AND ZIP CODE) LINDEN, NEW JERSEY 07036		COUNTRY USA					
			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">1-800-255-3924</td> <td style="text-align: center;">813-248-0585</td> </tr> <tr> <td style="text-align: center;">North America (Toll Free)</td> <td style="text-align: center;">International and Local Calls</td> </tr> </table>	1-800-255-3924	813-248-0585	North America (Toll Free)	International and Local Calls
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SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW			
PIC Ant Killing Gel is a flowable solution, containing DOT and is not flammable, combustible or explosive and presents no unusual hazard if involved in a fire. PIC Ant Killing Gel presents little or no hazard (to humans) and has low acute oral and dermal toxicities. 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.			
USA None	CANADA (WHMIS) 	EUROPEAN 	(GHS) HAZARD SYMBOLS 
HMIS HAZARD RATINGS			
0 = INSIGNIFICANT, 1 = SLIGHT, 2 = MODERATE, 3 = HIGH, 4 = EXTREME		HEALTH:	1
		FLAMMABILITY:	0
		PHYSICAL HAZARD:	0
REQUIRED PERSONAL PROTECTIVE EQUIPMENT:			
HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER: None required.			
RISK PHRASES			
R60: May impair fertility. R61: May cause harm to the unborn child.			
SAFETY PHRASES			
S-2 Keep out of the reach of children. S13: keep away from food ,drink and animal feeding stuffs. S46: If swallowed, seek medical advice immediately and show this container or label.			
POTENTIAL HEALTH EFFECTS			
INHALATION:			
Liquid and gel is not likely to be inhaled.			
SKIN:			
PIC Ant Killing Gel does not cause irritation to intact skin. Dermal exposure is not a concern because PIC Ant Killing Gel is not absorbed through intact skin.			
EYES:			
PIC Ant Killing Gel is non-irritating to the eyes in normal industrial use.			
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 the formulation, no effects are expected. Ingestion is the most significant route of exposure in occupational and other settings.			
CARCINOGENICITY:			
NTP? NO		IARC MONOGRAPHS? NO	
CALIFORNIA, Prop.65? NO		OSHA REGULATED? NO	
		ESIS NOTATION? NO	

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SECTION 3 - INFORMATION ON INGREDIENTS/COMPONENTS

Ingredient / Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Disodium OctaborateTetrahydrate (DOT)	NR	12280-03-4	234-541-0	T*	R60, R61

***European studies completed in 2009 (directive 98/8/EC) indicate toxic warning symbols and reproductive toxicity warning phrases for this chemical are required. These studies however focused on the use of this chemical as a wood preservative where leaching of the DOT could occur. For this product's application as an ant control product this is unlikely to occur and human exposure to the product is minimal. The packaging and physical form (liquid/gel) of this product therefore makes the concerns highlighted in this report of minimal consequence.**

NOTES: This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1997/2006/EC (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 91/155/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.

SECTION 4 - FIRST AID MEASURES

INHALATION:

No specific treatment is necessary since PIC Ant Killing Gel is not likely to be hazardous by inhalation. Prolonged exposure to dust levels (DOT) in excess of regulatory limits should always be avoided.

EYES:

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

SKIN:

Wash with soap and water.

INGESTION:

Swallowing less than sixteen teaspoons of PIC Ant Killing Gel will cause no harm to healthy adults. If larger amounts are swallowed, give two glasses of water to drink and seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:

None, because PIC Ant Killing Gel is not flammable, combustible, or explosive.

EXTINGUISHING MEDIA:

As suitable for fighting surrounding fires.

FIRE FIGHTING PROCEDURES:

As appropriate for surrounding fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None.

HAZARDOUS COMBUSTION PRODUCTS:

None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

GENERAL: PIC Ant Killing Gel is fluid

LAND SPILL: No personal protective equipment is needed to clean up land spills.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN 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, indoors storage

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient / Component	CAS #	ACGIH Exposure Limits (mg/kg unless otherwise noted)	OSHA Exposure Limits (mg/kg unless otherwise noted)
Disodium Octaborate Tetrahydrate (DOT)	12280-03-4	5 (as respirable dust)	15 (total dust)

PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Where airborne concentrations are expected to exceed exposure limits, NIOSH/MSHA or European EN-149 certified respirators should be used. Eye goggles and gloves are not required for normal industrial exposures, but may be warranted if environment is excessively dusty.

PROTECTIVE GLOVES:

Not required in normal use.

EYE PROTECTION:

Not required in normal use.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

None required.

WORK / HYGIENIC PRACTICES:

Wash hands with soap and water after handling. Wash clothing before re-use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Viscous fluid or Gel	VAPOR PRESSURE NR
pH 5.5	SPECIFIC GRAVITY (WATER = 1) 1.5
MELTING POINT NA	SOLUBILITY IN WATER 100%
FLASH POINT NA	VISCOSITY NA
FLAMMABLE LIMITS LEL: None UEL: None	VAPOR DENSITY (AIR = 1) NR
AUTOIGNITION TEMPERATURE NA	EVAPORATION RATE (WATER = 1) 1
VOLATILE ORGANIC COMPOUND (VOC) INFORMATION NA	

SECTION 10 - STABILITY AND REACTIVITY

STABILITY Stable in normal use.	CONDITIONS TO AVOID: Avoid incompatible chemicals and breathing dust.
INCOMPATIBILITY (MATERIALS TO AVOID): Reaction with strong reducing agents, such as metal hydrides or alkali metals, will generate hydrogen gas, which could create an explosive hazard.	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None	
HAZARDOUS POLYMERIZATION: Will not occur.	CONDITIONS TO AVOID: None related to polymerization.

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS #	LD50 of Ingredient (Oral, Rat - unless otherwise specified)	LC50 of Ingredient (Inhalation, Rat - unless otherwise specified)
Disodium Octaborate Tetrahydrate (DOT)	12280-03-4	42500 mg/kg & 33320 mg/kg dermal, rabbits	NE

SECTION 12 - ECOLOGICAL INFORMATION

General: Boron (B) is the element in disodium octaborate tetrahydrate (Borrada D) which is used by convention to report borate product ecological effects. It occurs naturally in seawater at an average concentration of 5 mg B/L and generally occurs in freshwater at concentrations up to 1 mg B/L. In dilute aqueous solutions the predominant boron species present is undissociated boric acid. To convert 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.

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SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:
DISPOSAL GUIDANCE: No special disposal treatment is required, but refer to state and local regulation for applicable site-specific requirements. Such product should be re-used for an appropriate application.
RCRA (40CFR 261): PIC Ant Killing Gel is not listed under any sections of the Federal Resource Conservation and Recovery Act.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not regulated for transport.


DOT HAZARD CLASS / Pack Group: Not regulated. REFERENCE: 49CFR UN / NA IDENTIFICATION NUMBER: NA LABEL: NA HAZARD SYMBOLS: None	IATA HAZARD CLASS / Pack Group: NA IMDG HAZARD CLASS: NA RID/ADR Dangerous Goods Code: NA UN TDG Class / Pack Group: NA Hazard Identification Number (HIN): NA
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Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): Listed in TSCA.
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):
Acute Health: NO **Reactive:** NO **Chronic Health:** NO
Fire: NO **Sudden Release of Pressure:** NO

SARA 313 REPORTABLE INGREDIENTS: None reportable.
CERCLA (USA - Comprehensive Response Compensation and Liability Act): PIC Ant Killing Gel is not listed under CERCLA or its 1986 amendments and Reauthorization Act.
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: PIC Ant Killing Gel is not listed on any Proposition 65 lists of carcinogens or reproductive toxicants.
CPR (Canadian Controlled Products Regulations): 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: D2B.**



Not listed on Canada's IDL.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): Listed on NDSL.
EINECS (European Inventory of Existing Commercial Chemical Substances): Referenced.
WGK Water Quality Index: 1

SECTION 16 - OTHER INFORMATION

Legend:

ACGIH	American Congress of Government Industrial Hygienists
CAS	Chemical Abstracts Service
EINECS	European Inventory of Existing Commercial Chemical Substances
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
NA	Not Available
ND	Not Determined
NE	Not Established
NR	Not Reported
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration

REVISION SUMMARY:
 Revised to ANSI (USA), WHMIS (CANADA), EU, and GHS standards 3/24/2010 supersedes previous issue. --JTV--

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.