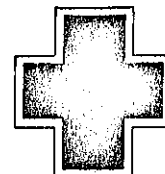




P.O. BOX 2235
Smyrna, Georgia 30081

009331

MATERIAL SAFETY DATA SHEET
Meeting OSHA Standard 29 CFR §1910.1200 (g)



EFFECTIVE DATE: Nov. 25, 1985

SECTION I - PRODUCT IDENTIFICATION

PRODUCT TRADE NAME: ROACH KIL
 CHEMICAL NAME AND SYNONYMS: Boric Acid, Orthoboric Acid CAS NO: 10043-35-3
 CHEMICAL FAMILY: Borate FORMULA: H₃BO₃
 HAZARD RATING: NFPA: Health 0
 Flammability 0
 Reactivity 0

SECTION II - HAZARDOUS INGREDIENTS

Material or Component _____ %	Material or Component _____ %
None	

SECTION III - PHYSICAL DATA

Appearance: white crystalline solid (Blue tint) Specific Gravity: 1.5128 Melting Point: 170.9°C (340°F) Heat of Solution @ 18°C: 157 BTU/lb Solubility in Water: 4.7% @ 20°C 27.53% @ 100°C Soluble in some organic solvents	pH @ 20°C 0.1% solution 6.1 1.0% solution 5.1 4.72% solution 3.7 (saturated)
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MAINTENANCE PRODUCTS & EQUIPMENT COMPANY
 By Weinheimer
 709 Erie Blvd. West
 Syracuse, NY 13204
 1-315-475-6301

SECTION IV - HEALTH HAZARD INFORMATION

EFFECTS OF EXPOSURE (SYMPTOMS)

INGESTION:

ACUTE ORAL LD₅₀ (rats) 3.16 g/kg of body weight. May cause nausea, vomiting, diarrhea in large doses (15 grams or more).

EYE: (16CFR§1500.42) Not an eye irritant-may cause slight, reversible conjunctivitis.

SKIN: Not an irritant. No evidence of tissue damage. May cause slight irritation on damaged skin.

ACUTE DERMAL LD₅₀ (16CFR §1500.40) Greater than 2 g/kg body weight (rabbits).

PRIMARY SKIN IRRITATION INDEX: (16CF §1500.41) 0.1

CORROSIVE

NON CORROSIVE: X

INHALATION Nuisance dust. May cause transitory sneezing and coughing.

ACUTE LC₅₀ Greater than 16 mg/liter.

SECTION V - FIRST AID INFORMATION

ACUTE OVEREXPOSURE/METHOD OF EXPOSURE/SYMPTOMS

Eyes — may be slightly irritating as dry powder. Reversible.

Skin — no penetration of intact skin. Absorption into blood stream through damaged skin may result in erythema, macular rash, CNS effects after 24 hours.

Ingestion — large doses (>15 grams) may cause erythema, macular rash, diarrhea, nausea, dizziness and CNS-effects after 36-72 hours.

CHRONIC OVEREXPOSURE/METHOD OF EXPOSURE/SYMPTOMS

Large amounts absorbed into blood stream from ingestion or through damaged skin may result in erythema, macular rash, nausea, diarrhea, dizziness, CNS-effects after 36-72 hours.

ACGIH Recommended Threshold Limit Value None Listed

National Toxicology Program Annual Report on Carcinogens
Year 1983 Listed

Not Listed X

International Agency for Research on Cancer (IARC)

Monograph Yes

No X

OSHA CARCINOGEN NO

EMERGENCY AND FIRST AID PROCEDURES

EYES Flush with tepid water for 15 minutes.

SKIN Flush with water. If skin is damaged, drink large amounts of water or milk.

INHALATION Remove to fresh air.

EMERGENCY AND FIRST AID PROCEDURES

INGESTION Induce emesis. Drink large amounts of water or milk. Consult physician.

NOTE TO PHYSICIAN Gastric lavage with 5% sodium bicarbonate solution suggested for large amounts ingested. Saline cathartic. Force fluids. Ringer's solution or normal saline intravenously.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) Not Applicable

FLAMMABLE LIMITS Lel

Uel

EXTINGUISHING MEDIA Not Required

SPECIAL FIREFIGHTING PROCEDURES None

UNUSUAL FIRE AND EXPLOSION HAZARDS None

Product is an inherent fire retardant.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITION TO AVOID

STABLE X Will dehydrate at 100°C to 150°C.

INCOMPATIBILITY (materials to avoid) Acetic Anhydride; Elemental Potassium

HAZARDOUS DECOMPOSITION PRODUCTS None

HAZARDOUS POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR X

CONDITIONS TO AVOID Contact with Acetic Anhydride or elemental potassium.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Sweep or vacuum followed by water rinse.

WASTE DISPOSAL METHOD

Solid waste disposal site. Sanitary sewer for small quantities.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify Type) Nuisance Dust Mask

VENTILATION

LOCAL EXHAUST X

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES None unless skin is damaged.

EYE PROTECTION Dust Goggles

OTHER PROTECTIVE EQUIPMENT None

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Dry indoor storage. Retain package integrity.

Date

Nov 25, 1985

Signature

Jeffrey W. Badler