SECTION I – PRODUCT IDENTIFICATION

PRODUCT TRADE NAME: ROACH RINSE
CHEMICAL NAME AND SYNONYMS: Disodium Octaborate Tetrahydrate
CHEMICAL FAMILY: Sodium borate
HAZARD RATING: NFPA: Health 0
FORMULA: Na₂B₄O₇·4H₂O

SECTION II – HAZARDOUS INGREDIENTS

Material or Component: None

SECTION III – PHYSICAL DATA

Approx. Formula weight: 412
White, odorless powder (light blue tint)
Bulk density 25-35 lbs/ft³
Particle Size: 149-444 microns
pH @ 23°C (73.4°F) 1% 8.5
10% 7.6
15% 7.3

Solubility in water:
20°C (68°F) 9.5% 94°C (201°F) 45.3%

SECTION IV – HEALTH HAZARD INFORMATION

EFFECTS OF EXPOSURE (SYMPTOMS)

INGESTION: Nausea, vomiting.

ACTUE ORAL LD₅₀: 2.0 g/kg body weight (rats):
EYE: (16CFR §1500.42) May be slightly irritating. Reversible.
SKIN: Not an irritant.
ACUTE DERMAL LD₅₀ (16CFR §1500.40) Unknown
PRIMARY SKIN IRRITATION INDEX: (16CFR §1500.41) Less than 1.
CORROSIVE

INHALATION May be irritating to nose and throat.
ACUTE LC₅₀ Unknown.

EFFECTS OF OVEREXPOSURE

ACUTE OVEREXPOSURE/METHOD OF EXPOSURE/SYMPTOMS

Eyes — may be irritating. Reversible.
Skin — None expected.
Mouth/Nose — May be slightly irritating.
Ingestion — Nausea/vomiting.

CHRONIC OVEREXPOSURE/METHOD OF EXPOSURE/SYMPTOMS

Eyes: May be irritating.
Skin: May be irritating on prolonged exposure on wet skin.
Mouth/Nose: May be irritating.
Ingestions: Nausea, vomiting, diarrhea, skin rash.
OSHA Permissible Exposure LIMIT (PEL) None Listed
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 eyes immediately with tepid water for 15 minutes. If irritation persists, consult physician.
SKIN Wash with mild soap and water.
INHALATION Remove to fresh air.
INGESTION Drink plenty of milk or water. Induce emesis.

NOTE TO PHYSICIAN
Not an acute poison. Gastric lavage with 5% sodium bicarbonate solution. If large amounts ingested treat for Borate toxicity. Ringer's solution intravenously. Monitor electrolytes. Saline cathartic.

SECTION V - FIRE AND EXPLOSION HAZARD DATA
FLASH POINT (Method used) Not Applicable FLAMMABLE LIMITS Lea UEL
EXTINGUISHING MEDIA Not Applicable. Product is fire retardant
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

INCOMPATABILITY (materials to avoid) None
HAZARDOUS DECOMPOSITION PRODUCTS None
HAZARDOUS POLYMERIZATION MAY OCCUR WILL NOT OCCUR X
CONDITIONS TO AVOID

SECTION VII - SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Sweep or Vacuum. Flush area with water.

WASTE DISPOSAL METHOD

SECTION VIII - SPECIAL PROTECTION INFORMATION
NONE

SECTION IX - SPECIAL PRECAUTIONS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Dry indoor storage.

Date Nov 25, 1985 Signature Jeffrey W. [Signature]