

MATERIAL SAFETY DATA SHEET
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PAGE 1: K+ NEEM INSECTICIDE – FUNGICIDE

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: K+ Neem Insecticide - Fungicide

EPA #: 70191 - 1

COMMON NAME OF ACTIVE INGREDIENT: Potassium salts of C₁₂–C₁₈ fatty acids

CHEMICAL NAME OF ACTIVE INGREDIENT: Potassium salts of C₁₂ – C₁₈ saturated & unsaturated aliphatic carboxylic acids

MOLECULAR FORMULA: Trade Secret

CAS NUMBERS: Trade Secret

PERCENT: 25 %

DESCRIPTION: An alcohol free insecticidal soap derived from cold pressed neem seed oil

SECTION 2: HAZARDOUS COMPONENTS

None of the ingredients in this product are listed as carcinogenic by NTP, IARC or OSHA

This formulation does not contain any VOC (volatile organic compounds)

SECTION 3: PHYSICAL DATA

APPEARANCE: Dark brown liquid

SOLUBLE IN WATER: Yes

BOILING POINT: 98° C @ 760 mmHg

MELTING POINT: < 4° C

VAPOR PRESSURE: Not applicable

SPECIFIC GRAVITY: 1.04

PH: 9.2 – 9.5 @ 20 – 25 ° C

SECTION 4: FIRE AND EXPLOSION DATA

FLASH POINT: > 251° C

METHOD: Closed cup

EXTINGUISHING MEDIA: Not applicable

SPECIAL FIRE FIGHTING PROCEDURES: None required

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 5: REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCT: None likely

INCOMPATIBILITY: Concentrated mineral supplements and oxidizing agents

STABILITY: Stable under normal conditions

HAZARDOUS POLYMERIZATION: None likely

SECTION 6: HEALTH HAZARDS

PRIMARY ROUTE OF ENTRY: Dermal

EXPOSURE LIMIT: No OSHA TLV

EYE CONTACT: Severe irritant avoid contact.

CORROSIVITY: Corrosive

EFFECTS OF OVER EXPOSURE: Irritation to skin & mucous membranes

SENSITIZATION: Not a sensitizer

TOXICITY: None of the components of this product are listed as carcinogenic (NTP, OSHA)

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ACUTE STUDIES:

Oral LD₅₀ (Rat) > 16,900 mg / kg (low toxicity)

Dermal LD₅₀ (Rabbit) > 5000 mg / kg (low toxicity)

Inhalation: Not an acute inhalation hazard

Eye Irritation (Rabbit) Corneal injury (opacity) reversed by day 28 in unrinsed eyes, 7 days rinsed

SECTION 7: FIRST AID PROCEDURES

SKIN: Wash hands after use. If irritation occurs / persists consult with physician.

EYES: Flush eyes with cool water and consult physician.

INGESTION: Give demulcent (milk)

INHALATION: Remove to fresh air consult physician if problem occurs.

SECTION 8: PERSONAL PROTECTION / SPILL & DISPOSAL PROCEDURES

EYES: Goggles should be worn if possibility of splashing exists.

GLOVES: Waterproof gloves recommended for repeated or prolonged exposure.

RESPIRATORY: Ensure good ventilation respiratory protection should not be necessary.

CLOTHING: Wear pants, shirt, shoes and socks

IF SPILLED: Contain leaking fluid with absorbent material then place in container for disposal.

DISPOSAL METHOD: Spills, rinsates & leftover pesticides must be disposed of according to federal, state and local procedures

SECTION 9: SPECIAL PRECAUTIONS

Keep in original container, tightly closed in a safe place.

Empty container completely, triple rinse and dispose of safely

Wash contamination from skin & eyes immediately

Remove heavily contaminated clothing and wash

Wash hands and exposed skin before eating, drinking and smoking

Do not apply to lakes, ponds or streams

Do not contaminate waterways by cleaning of equipment

SECTION 10: SHIPPING REGULATIONS

FREIGHT CLASSIFICATION: Insecticides or fungicides other than poisons (CLASS 60)

DOT LABELS REQUIRED: None

SARA TITLE III HAZARD CLASSIFICATION:

Immediate (acute) health: No

Delayed (chronic) health: No

Fire: No

Sudden Release of Pressure: No

Reactive: No

NATIONAL FIRE PROTECTION ASSOCIATION RATING:

Health 1

Flammability 0

Reactivity 0

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