

# MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION # : 314-647-1888  
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## I-PRODUCT IDENTIFICATION

### ROOT-O-KILL

PRODUCT CODE: #199

CHEMICAL FORMULATION: ROOT KILLER FOR SEWER LINES

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: FLAMMABILITY: REACTIVITY:

HAZARD RATING: 4-Extreme; 3-High; 2-Moderate; 1-Slight; 0-Insignificant

## II-HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	ACGIH TLV	OSHA PEL/TWA	OTHER RECOMMENDED LIMITS	% OPTIONAL
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CONTAINS IONICS AND NO-IONIC SURFACTANTS, COPPER SULFATE AND WETTING AGENTS.  
NO TLV AVAILABLE.

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4)  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40CFR 372).

## III-PHYSICAL DATA

BOILING POINT (°F): 220°F MELTING POINT: N/A  
VAPOR PRESURE (mm Hg)(@20C: N/A SPECIFIC GRAVITY (WATER=1): 1.06  
VAPOR DENSITY (AIR=1): N/A VOLITILE BY VOLUME: N/A  
SOLUBILITY IN WATER: N/A EVAPORATION RATE (Butyl Acetate=1): N/A  
pH: N/A  
APPEARANCE AND ODOR: CLEAR BLUE LIQUID: ODOR NOT OBJECTIONABLE

## IV-FIRE AND EXPLOSION HAZARD

FLASH POINT (°F): NONE  
FLAMMABLE LIMITS: N/A LEL: UEL: N/D  
EXTINGUISHING MEDIA: NONE  
SPECIAL FIRE FIGHTING PROCEDURES: NONE  
UNUSUAL FIRE AND EXPLOSION HAZARD: A VAPOR ACUMULATION WILL FLASH AND/OR EXPLODE IF IGNITED, CONTAINERS MAY BURST EXPLOSIVELY IF OVER HEATED IN FIRE. COOL WITH SPRAY OR FOG. EMPTY CONTAINES ALSO PRESENT FIRE & EXPLOSION HAZARD DUE TO RESIDUAL VAPORS.

**V-REACTIVITY DATA**

**STABILITY:** STABLE

**INCOMPATIBILITY:** NOT KNOWN

**CONDITIONS TO AVOID:** EXTREME HEAT OR OPEN FLAME

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** NONE

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**CONDITIONS TO AVOID:** NONE KNOWN

**VI-HEALTH AND HAZARD DATA**

**ROUTES OF ENTRY:** INHALATION: SKIN: INGESTION:

**CARCINOGENICITY:** NTP? **IARC MONOGRAPHS?** **OSHA REGULATED?**

**EFFECTS OF OVEREXPOSURE**

**IF IN EYES:** EYE IRRITANT

**IF ON SKIN:** SKIN IRRITANT

**IF SWALLOWED:** HARMFUL OR FATAL IF SWALLOWED

**IF INHALED:**

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** FLUSH EYE & SKIN WITH PLENTY OF WATE THOROUGHLY. IF IRRITATION PERSISTS SEEK MEDICAL HELP

**IF ON SKIN:** SEE ABOVE

**IF SWALLOWED:** CALL A PHYSICIAN IMMEDIATELY

**IF INHALED:**

**VII-SPILL AND LEAK PROTECTION**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**MAY BE FLUSHED WITH WATER.

**WASTE DISPOSAL METHOD:** ACCORDING TO LOCAL POLLUTION ORDINANCES

**VIII – SPECIAL PROTECTION INFORMATION**

**VENTILATION:** LOCAL EXHAUST: N/A  
MECHANICAL (GENERAL): N/A SPECIAL: N/A

**RESPIRATORY PROTECTION:**

**PROTECTIVE GLOVES:** RECOMMENDED

**EYE PROTECTION:** RECOMMENDED

**OTHER PROTECTIVE EQUIPMENT:**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** TO AVOID WETTING SKIN AND CLOTHES

**WORK/HYGIENIC PRACTICES:** N/A

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