

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION

NFPA Rating: Health-1: Flammability-0; Reactivity-0; Special	HHIS Rating: Health-1: Flammability-0; Reactivity-0; Personal Protection B
Manufacturer's Name: Solutions USA Address: 139 Altama Connector# 417 Brunswick, Ga 31525	DOT Hazard Classification: Non-Hazardous Identity (trade name as used on label): FOAMING ROOT BE GONE Sewer Root Remover
Date Prepared: 06/01/93 Prepared By: ES	MSDS Number:
Information Calls: 912-554-3700	NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater, Carcinogens 0.1% or greater)	CAS Number	SARA III List	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
COPPER SULFATE	7785-98-7	NO	TWA1mg/m3	N/E	d
* Indicates hazardous ingredients which are toxic chemicals subject to the reporting requirements of Section 313 of the emergency planning and community right-to-know act of 1986 and of 40 CFR 372					

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Not established	Specific Gravity (WATER=1): 1.05
Vapor Pressure: PSIG @ 46	Melting Point: Not Applicable
Vapor Density (Air = 1): ND	Evaporation Rate (Butyl Alcohol = 1): slower
Solubility in Water : Complete	pH of Concentrate : 6.5 - 7.0
Appearance and Odor: Blue Liquid, No Odor	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST Non-flammable	Auto Ignition Temperature N/A	Flammability Limits in Air by % in Volume: % LEL: N/A % UEL: N/A
FLASH POINT AND METHOD USED (non-aerosols): Non-combustible	SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool Use chemical foam	
EXTINGUISHER MEDIA: Water Spray, Foam		
Unusual Fire & Explosion Hazards: None known.		

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY (X) STABLE () UNSTABLE	HAZARDOUS POLYMERIZATION () WILL (X) WILL NOT OCCUR
Incompatibility (Mat. to avoid): Strong Akali	Conditions to Avoid: None
Hazardous Decomposition Products: None required under normal conditions of storage and use.	

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: () INHALATION () INGESTION () SKIN ABSORPTION () EYE () NOTHAZARDOUS	
ACUTE EFFECTS: May cause slight irritation of skin and eyes. Harmful if swallowed	
Inhalation: No	Eye Contact: No
Ingestion: Unlikely	Carcinogenicity: NTP: No IARC Monographs: No OSHA Re qualite d: No
Signs & Symptoms of Exposure: Redness of skin and eyes. Burning of eyes and skin.	
CHRONIC EFFECTS: Unlikely	
Medical Conditions Generally Aggravated by Exposure: None Known	

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water for 15 minutes. Get medical attention if irritation persists
Skin Contact: Remove contaminated clothing. Wash with soap and water.
Inhalation: Not likely. Flush nasal passages with water. If irritation develops, contact medical authorities.
Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): None required under normal conditions of storage and use.	
Protective Gloves: Rubber	Eye Protection: Glasses or goggles
Ventilation Requirements: Do not spray in confined area. Do not breath mist.	
Other Protective Clothing & Equipment: As required to prevent skin contact	
Hygienic work Practices: Wash hands after use.	

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material is Spilled Or Released:	Wipe, mop, or flush with water. Soak up with absorbent material.
Waste Disposal Methods:	Flush with water
Precautions To Be Taken In Handling & Storage:	Store in dry area. Keep container closed
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.	

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen, (a) NTP (b) IARC Monograph (c) OSHA (d) Not Listed (e) Animal Data Only