



MATERIAL SAFETY DATA SHEET

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To Reorder Call:
800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME
UNITED 477 BEST SHOT

USE/DESCRIPTION	Acidic Drain Line Maintainer
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FOR MEDICAL AND TRANSPORTATION EMERGENCIES
24 Hour INFOTRAC (US and CANADA): **800-535-5053**

REVISION DATE
September 10, 2014

HMIS III HEALTH (0 = Maximum Safety)

Always follow Label Directions and Cautions.

* Chronic
4 Severe
3 Serious
2 Moderate
1 Slight
0 Minimal

**See Hazards Identification Section of this MSDS
for more detailed information.**

PHYSICAL HAZARD (0 = Maximum Safety)

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire.	2 Violent chemical change possible-use hose stream from distance
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.	1 Unstable if heated-use precaution.
	0 Normally stable.

FLAMMABILITY (0 = Maximum Safety)

Susceptibility of Material to Burning.

4 Extremely flammable.	1 Must be preheated
3 Ignites at normal temperature.	to burn.
2 Ignites when moderately heated.	0 Will not burn.

PERSONAL PROTECTION: p, n, o



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Sulfuric acid	7664-93-9	90-95	1 mg/m3	1 mg/m3	NE	NE
Mineral Spirits	64741-65-7	4-6	100 ppm	100 ppm	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: Corrosive to eyes on contact, including corneal damage. Can cause blindness.

Skin: Corrosive to skin on contact. May cause severe and painful burns.

Inhalation: Mist may cause severe irritation of nose, throat and lungs. May cause headache, drowsiness, and central nervous system depression. Severe overexposure may lead to fatal lung damage.

Ingestion: Material is toxic. Will cause abdominal pain, nausea, vomiting, destruction of tissue in the gastrointestinal tract. Will cause severe burns to mouth, throat, and stomach. Harmful or fatal

Health Hazards:

Acute: Causes burns/irritation to eye, skin and respiratory tract.

Chronic: Prolonged exposure to spray mist may produce respiratory irritation leading to frequent attacks of bronchial infection.

4. FIRST AID MEASURES

Yes: Immediately flush with cool water for at least 15 minutes. Remove contact lenses while continuing to flush. Get medical attention.

Skin: Immediately flush with cool water for at least 15 minutes. Remove clothing and wash before reuse. Get medical attention.

If Inhaled: Remove patient to fresh air immediately. If patient is not breathing, apply artificial respiration. Get medical attention immediately.

If Swallowed: Call Physician or Poison Control immediately. Give lots of water to drink to dilute. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): 125°F/ 52°C

Explosive Limits: Lower (LEL): NA Upper (UEL): NA

Flame Projection (Aerosol): NA

Hazardous Products of Combustion: When strongly heated, as in a fire, this product may produce oxides of sulfur and carbon.

Fire and Explosion Hazards: This product reacts violently with generation of great heat, when water is added and can cause spattering. May react with metals to release hydrogen gas.

Extinguishing Media: Dry chemical or CO2

Fire Fighting Instructions: Avoid spraying water onto leaking containers. Water applied directly to sulfuric acid causes evolution of heat and splattering. Wear self-contained breathing apparatus w/full protective clothing. Use water spray to cool fire-exposed containers. Stay upwind if product is involved in fire.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Follow personal protective equipment recommendations found in section 8. Absorb spill on inert absorbent material. Pick-up and place in clean DOT specified container for disposal. Neutralize small spills with soda ash. Rinse area with clear water.

Large Spills: Wear protective equipment and clothing, recommendations found in section 8 before entering area. Ventilate area. Avoid contact with skin and eyes. Dike or dam large spills. Pick-up and place in clean DOT specified container for disposal. Neutralize remaining traces with soda ash. Rinse area with clear water.

7. HANDLING AND STORAGE

Store in a secure area out of reach of children and unauthorized persons. Keep containers tightly closed when not in use. Do not store near incompatible materials, such as strong alkalis or flammables. Store in cool, dry, well-ventilated area. DO NOT add water to concentrated acid. Practice good industrial hygiene in the handling of these products. Avoid spills and splashing of opened products.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety goggles or splash goggles and Face Shield are recommended.

Skin: Chemical resistant gloves are recommended.

Respiratory: Use a NIOSH/MSHA approved respirator to prevent breathing spray mists.

Engineering Controls: Provide adequate ventilation and provide local exhaust.

Other Protection Clothing: Impervious clothing, long-sleeved shirts, rubber apron and shoes are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 355°F (Odor Blanket)/179°C **Specific Gravity:** 1.81 (H₂O=1) (Lower Phase) **Specific Gravity:** 0.76 (Odor Blanket)

Vapor Pressure: 1.9@100°F (Odor blanket) **Melting Point:** ND **Vapor Density:** >1 (Odor blanket) **Evaporation Rate:** <1

Solubility in Water: Complete (Lower Phase) Insoluble (Odor Blanket) **pH:** <1 **Reactivity in Water:** Mixes violently with water with generation of heat

Appearance and Odor: Two phases: upper layer clear water-white with aromatic odor, lower layer dark.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: Hydrogen gas on contact with some metals. Oxides of Sulfur and Carbon may be formed upon severe heating.

Chemical Stability: Stable under normal conditions.

Incompatibility: Do not mix this product with other cleaning chemicals, especially strong acids or oxidizers (like bleach), organic materials, and contact with metals may cause high energy release.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): No

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? No

12. ECOLOGICAL INFORMATION

ND

13. DISPOSAL CONSIDERATIONS

Consult your local, state, provincial and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

14. TRANSPORT INFORMATION

DOT: Available upon request

TDG: Available upon request

UN: Available upon request

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): 5.5%

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: ND

SARA Title III Section 311/312: ND

SARA Title III Section 313 Toxic Chemicals: None

WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.