



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2967	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	SLEDGE HAMMER	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Nonfuming Concrete Dissolver	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION:
Skin corrosion/irritation: Category 1
Serious eye damage/eye irritation: Category 1

SIGNAL WORD:
DANGER

SYMBOL:



HAZARD STATEMENTS:

Causes skin burns and eye damage in concentrated form.

PRECAUTIONARY STATEMENTS:

Prevention: Do not breathe dust/fume/gas/mist/vapors/spray.

Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Response: Immediately call a poison center or doctor/physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a poison center or doctor/physician.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Storage: Store locked up.

Disposal: Dispose of contents/container to an approved waste disposal plant.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Hydroxyacetic acid	79-14-1	<40

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediately call a poison center or doctor/physician.

SKIN: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. Call a physician or poison control center immediately.

INGESTION: Do not induce vomiting. Rinse mouth. Give water or milk of magnesia. Immediately call a poison center or doctor/physician.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Causes skin burns and eye damage. Can cause damage to mucous membranes.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Notes to Physician: Treat symptomatically.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Regular foam or carbon dioxide or dry chemical.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Not determined.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Acid reacts with most metals to release hydrogen gas which can form explosive mixtures with the air.

HAZARDOUS THERMAL COMPOSITION PRODUCTS:

May form toxic acid vapors. Carbon oxides.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Refer to protective measures listed in Sections 7 and 8.

ENVIRONMENTAL PRECAUTIONS:

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations.

METHODS & MATERIALS FOR CONTAINMENT & CLEAN-UP:**Methods for Containment:** Prevent further leakage or spillage if safe to do so.**Methods for Cleanup:** Cover the contaminated surface with sodium bicarbonate (baking soda) or lime and add water to form a slurry. Scoop up the slurry and wash down the site with sodium bicarbonate solution. Absorb liquid and transfer to suitable containers for disposal.**7. Handling and Storage****SAFE HANDLING:**

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Avoid contact with skin, eyes or clothing.

SAFE STORAGE & INCOMPATIBILITIES:**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Store at ambient conditions. Material should be stored in secondary containers or in a diked area, as appropriate. Keep away from incompatible materials, open flames and high temperatures. Store locked up.**Incompatible Materials** Strong alkalis. Strong oxidizing/bleaching agents.**8. Exposure Controls / Personal Protection****EXPOSURE GUIDELINES:**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

PERSONAL PROTECTIVE EQUIPMENT:**Eye/Face Protection:** Chemical splash goggles.**Skin & Body Protection:** Wear suitable protective clothing. Wear neoprene gloves.**Respiratory Protection:** Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.**APPROPRIATE ENGINEERING CONTROLS:**

Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

9. Physical & Chemical Properties

Appearance:	Clear, green liquid.	Flammability(solid/gas):	Liquid - not applicable.
Physical State:	Liquid.	Flammability Limit-lower (%):	Not determined.
VOC Content (%):	None.	Flammability Limit-upper (%):	Not determined.
Color:	Green.	Explosive Properties:	Not determined.
Odor:	Not determined.	Vapor Density:	Not determined.
Odor Threshold:	Not determined.	Vapor Pressure:	As water.
pH:	1.62	Solubility (water):	Completely soluble.
Melting/Freezing Point:	-6 °C / 20 °F	Auto-Ignition Temp:	Not determined.
Boiling Point/Range:	98-101 °C / 210-215 °F (IBP Method)	Decomposition Temp:	Not determined.
Viscosity(kinematic & dynamic):	Not determined.	Partition Coeff(n-octanol/water):	Not determined.
Flash Point:	None.	Oxidizing Properties:	Not determined.
Specific Gravity:	1.10	Evaporation Rate:	Not determined.
Solubility (other solvents):	Not determined.		

10. Stability & Reactivity Information**REACTIVITY:**

Not reactive under normal conditions.

CHEMICAL STABILITY:

Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

None under normal processing.

Hazardous Polymerization: Hazardous polymerization does not occur.**CONDITIONS TO AVOID:**

Keep out of reach of children. Contact with incompatible materials. Contact with metals such as aluminum may release flammable hydrogen gas.

INCOMPATIBLE MATERIALS:

Strong alkalis. Strong oxidizing/bleaching agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

May form toxic acid vapors. Carbon oxides.

11. Toxicological Information**PRIMARY ROUTE OF ENTRY:****Eyes:** Causes severe eye damage in concentrated form.**Skin:** Causes skin burns.**Inhalation:** Not determined.**Ingestion:** Do not ingest.**COMPONENT INFORMATION:**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydroxyacetic acid 79-14-1	-	-	= 7100 µg/m3 (Rat) 4 h

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

Please see Section 4 of this SDS for symptoms.

DELAYED & IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT & LONG-TERM EXPOSURE:

Carcinogenicity: Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

NUMERICAL MEASURES OF TOXICITY:

Not determined.

12. Ecological Information**ECOTOXICITY:**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

COMPONENT INFORMATION:

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Hydroxyacetic acid 79-14-1		5000: 96 h Brachydanio rerio mg/L LC50 static		

PERSISTENCE AND DEGRADABILITY:

Not determined.

BIOACCUMULATIVE POTENTIAL:

Not determined.

MOBILITY IN SOIL:

Chemical Name	Partition Coefficient
Hydroxyacetic acid 79-14-1	-1.11

OTHER ADVERSE EFFECTS:

Not determined.

13. Disposal Consideration**DISPOSAL INSTRUCTIONS:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

CONTAMINATED PACKAGING:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Rinse container before discarding.

14. Transportation Information

NOTE: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT: Not regulated.

IATA: Not regulated.

IMDG: Not regulated.

15. Regulatory Information**INTERNATIONAL INVENTORIES:**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Hydroxyacetic acid	Present	X		Present		Present	X	Present	X	X

Legend: TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US FEDERAL REGULATIONS:

CERCLA Hazardous Substance List (40 CFR 302.4): This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 311/312 Hazard Categories: This material, as supplied, does not contain any substances subject to the requirements of SARA Sections 311/312 (40 CFR 370)

SARA 313: Not determined.

US STATE REGULATIONS:

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations: Not determined

16. Other Information**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.