



MATERIAL SAFETY DATA SHEET

PRODUCT TYPE:	<i>Acid Cleaner</i>	NFPA	4-extreme	Fire-0
PRODUCT NAME:	Jackhammer-3X	<i>Hazard Rating</i>	3-high	Health-2
MSDS DATE:	<i>12-Jan-09</i>		2-moderate	Reactivity-0
			1-slight	Special-
			0-none	

Chemtrec Phone Number: 1-800-424-9300

PRODUCT IDENTIFICATION

CHEMICAL CLASS: *Acid cleaners*
 PROPER DOT SHIPPING NAME: *Corrosive, (Acetic Acid and Glycolic Acid)*
 DOT HAZARD CLASS: *8 Corrosive liquid,acidic, organic, n.o.s. , UN 3265*
 HAZARDOUS INGREDIENTS: *See Below*

HAZARDOUS INGREDIENTS

<u>MATERIAL OR COMPONENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>TLV (units)</u>
<i>Acetic acid</i>	<i>< 10 %</i>	<i>64-19-7</i>	<i>10 PPM</i>
<i>Glycolic acid</i>	<i>< 50 %</i>	<i>79-14-1</i>	<i>10 PPM</i>

PHYSICAL DATA

BOILING POINT (F):	<i>N/A</i>	SPECIFIC GRAVITY:	<i>1.15</i>
VAPOR PRESSURE:	<i>N/A</i>	PERCENT VOLATILE BY VOLUME:	<i>40</i>
SOLUBILITY IN WATER:	<i>Complete</i>	EVAPORATION RATE:	<i>Slower than water</i>
APPEARANCE & ODOR:	<i>Clear liquid</i>	pH:	<i>1.0 +/- .5</i>
	<i>Vinegar odor</i>		

FIRE & EXPLOSION DATA

FLASH POINT:	<i>None</i>	AUTO IGNITION TEMP:	
FLAMMABLE LIMITS:	<i>N/A</i>	LEL:	<i>N/A</i> UEL: <i>N/A</i>
EXTINGUISHING MEDIA:	<i>N/A</i>		
SPECIAL FIRE FIGHTING PROCEDURES:	<i>N/A</i>		
UNUSUAL FIRE & EXPLOSION HAZARDS:	<i>N/A</i>		

HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES

SKIN: *Rinse skin with water for an minimum of 15 minutes.*

EYES: *Flood eyes with water for a minimum of 15 minutes.*

INGESTION: *Do not induce vomiting. Drink large amounts of water.*

INHALATION: *Move person to fresh air. Keep the person lying down.*



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ROUTES OF EXPOSURE

SKIN: *Liquid can cause burns.*
EYES: *Liquid can cause cornea burns.*
INGESTION: *Liquid can cause burns to mouth, throat, and esophagus.*
INHALATION: *Vapors can irritate throat, and respiratory system.*

REACTIVITY DATA

STABILITY: *Stable*
INCOMPATIBILITY: *None known*
HAZARDOUS DECOMPOSITION PRODUCTS: *None*
HAZARDOUS POLYMERIZATION: *None*

ENVIRONMENTAL PROTECTION PROCEDURES

SPILL RESPONSE: *Flood with water, wipe up, or use floor absorbent.*
WASTE DISPOSAL METHOD: *Check Federal, State, and local regulations.*

SPECIAL PROTECTION INFORMATION

EYE PROTECTION: *Safety glasses* SKIN PROTECTION: *Rubber Gloves*
RESP. PROTECTION: *If exposed to concentrations above TLV, wear NIOSH / MSHA approved respirator.*
VENTILATION: *Use mechanical ventilation or exhaust to maintain exposure limits below TLV's.*

OTHER PROTECTION: *Wear rubber apron or protective suit if exposed to concentrations above TLV.*

SPECIAL PRECAUTIONS

HYGIENIC PRACTICES IN HANDLING & STORAGE: *Avoid contact with skin, eyes, and clothing.
Store at moderate temperatures.*
PRECAUTIONS FOR REPAIR & MAINTENANCE OF CONTAMINATED EQUIP:
OTHER PRECAUTIONS: *Keep from freezing.*

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