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MATERIAL SAFETY DATA SHEET (SUBSTITUTES FOR OSHA FORM 174): May be used to
comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.
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PRODUCT NUMBER: 277
IDENTITY: STRONGMAN Revision Date: 06/23/2003
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Section I
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Manufacturer's Name:QUEST CHEMICAL CORPORATION Telephone Numbers:
Address: 12255 FM 529 Emergency:
NORTHWOODS INDUSTRIAL PARK 800/255-3924
HOUSTON Information:
State: TX Zip Code:77041 713/8968188
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HMIS CODES: REACTIVITY: 0 FLAMMABILITY: 0 HEALTH: 1 PERSONAL PROTECT: A

Section II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (All of the
ingredients contained in this product are listed on the TSCA inventory.)
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Table with 7 columns: Name, Cas No., OSHA PEL, ACGIH TLV, OTHER LIM, %, and a blank column. Rows include 2-BUTOXY ETHANOL and SODIUM HYDROXIDE.

Comment:
THIS PRODUCT CONTAINS THE TOXIC CHEMICALS MARKED WITH AN \* SUBJECT
TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING
AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372.

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Section III: PHYSICAL/CHEMICAL CHARACTERISTICS
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Boiling Point: 214 Specific Gravity (water=1) 1.09
Vapor Pressure(mm Hg) 20 Melting Point: N/A
Vapor Density(AIR=1) >1 Evaporation Rate: <1
Solubility in Water: 100% (Butyl Acetate=1)
Appearance and Odor: BLUE LIQUID WITH A MILD ODOR

Section IV: FIRE AND EXPLOSION HAZARD DATA
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Flash Point(Method Used):NONE Flammable Limits: LEL:N/A UEL: N/A
Extinguishing Media: NONE
Special Fire Fighting Procedures: NONE

Unusual Fire and Explosion Hazards: NONE

Section V: REACTIVITY DATA

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Stability: Unstable: Conditions to avoid:  
Stable: X DO NOT MIX WITH STRONG ACIDS.  
Incompatibility (Materials to Avoid): NONE

Hazardous Decomposition or Byproducts: NONE

Hazardous Polymerization: May Occur: Will Not Occur: X  
Conditions to Avoid: NONE KNOWN

Section VI: HEALTH HAZARD DATA

Routes of Entry: Inhalation: NO Skin: YES Ingestion: YES  
Health Hazards (Acute and Chronic):  
SKIN: WILL CAUSE SEVERE DRYNESS, CRACKING AND IRRITATION. EYES: MODERATE  
TO SEVERE IRRITATION. INGESTION: NAUSEA, GASTROINTESTINAL IRRITATION AND  
DIARRHEA.  
Carcinogenicity: NTP:NO IARC Monographs:NO OSHA Reg:NO  
Signs and Symptoms of Exposure: SEE HEALTH HAZARDS

Medical Conditions Generally Aggravated by Exposure: NONE KNOWN

Emergency and First Aid Procedures: SKIN: FLUSH WITH WATER UNTIL SLICK  
FEELING IS GONE. INGESTION: DO NOT INDUCE VOMITING. CONSUME LARGE AMOUNTS  
(1 QT) OF CITRUS JUICE, VINEGAR OR WATER. CONTACT PHYSICIAN. EYES: FLUSH  
WITH WATER FOR AT LEAST 15 MINUTES. CALL PHYSICIAN IF IRRITATION PERSISTS.

Section VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: MOP UP OR SOAK  
WITH APPROPRIATE ABSORBENT MATERIAL. REMOVE OUT OF DOORS. FLUSH WITH WATER.

Waste Disposal Method: DISPOSE OF RESIDUE IN ACCORDANCE WITH FEDERAL, STATE  
AND LOCAL GUIDELINES. DO NOT REUSE EMPTY CONTAINER. OFFER DRUM FOR  
RECYCLING. SMALLER CONTAINERS SHOULD BE RINSED AND PLACED IN TRASH  
COLLECTION.

Precautions to be Taken in Handling and Storing: STORE IN A COOL DRY AREA.  
AVOID TEMPERATURES ABOVE 100 F OR BELOW FREEZING.

Other Precautions: N/A

Section VIII: CONTROL MEASURES

Respiratory Protection: N/A  
Ventilation: Local Exhaust: ADEQUATE  
Mechanical: N/A Special: N/A  
Other: N/A  
Protective Gloves: N/A  
Eye Protection: SAFETY GLASSES ARE RECOMMENDED WHENEVER CHEMICALS ARE USED.  
Other Protective Clothing or Equipment:  
N/A  
Work/Hygienic Practices:  
WASH HANDS AFTER USE

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