

MSDS

MATERIAL SAFETY DATA SHEET

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Date printed:08/23/90

Common Name :LIQUA-TAN

SECTION I

In Case of Emergency,
Please Call
CHEM-TEL
1-800-255-3924

ISSUED BY:

K-----
KNOBLOCH'S
16675 Empire Road
Lafayette, CO 80026
Phone/Fax (303) 666-9045

TED

Knoblochs
1850 DOGWOOD ST
LOUISVILLE CO 80027

The information and opinions contained within this data sheet are supplied by the original manufacturer or supplier(s) of the specific product(s). The information and specifications are believed to be current and correct to the best of our knowledge. This data does not represent any form of warranty or representation for which Knobloch's Inc. will be held responsible. Since proper use and interpretation of this information is beyond our control, we feel it is the users obligation to determine the conditions for safest and correct use of this product.

ABBREVIATIONS

APR - Approximately	MD - Physician
AMT - Amount	MTL - Material
CALC - Calculated	N/A - Not Applicable
CNS - Central Nervous System	N/D - Not Determined
CO2 - Carbon Dioxide	N/E - Not established
EST - Estimated	RESP - Respirator
H2O - Water	SCBA - Self Contained Breathing Apparatu
LG - Large	STEL - Short Term Exposure Limit

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SECTION II - HAZARDOUS INGREDIENTS/COMPONENTS

HAZARDOUS COMPONENTS:				
INGREDIENT/COMPONENT	%	ACGIH TLV	OSHA PEL	ADDITIONAL LIMITS
SULFONIC ACID (ALDEHYDE CONDENSATED)		4.0 - 4.2		
ETHANOL ALCOHOL				
SULFATED ALCOHOL				

NON-HAZARDOUS:				
INGREDIENT/COMPONENT	%	ACGIH TLV	OSHA PEL	ADDITIONAL LIMITS

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point:	>250F
Melting point:	N/A
Specific Gravity (water = 1):	1.20
Vapor Pressure (mm Hg.):	N/A
Vapor Density (Air = 1):	N/A
Evaporation Rate:	N/A
Solubility in Water:	COMPLETE
Appearance and Odor:	AMBER COLOR AND LEATHERY ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point (Method Used): ABOVE 250F
 Flammable Limits: N/A
 LEL: N/A UEL: N/A
 Extinguishing Media: CO2, DRY CHEMICAL, FOAM, AND WATER SPRAY
 Special Fire fighting procedure(s):
 NONE

Usual Fire and Explosion Hazards:
 COULD RELEASE SO2 GAS AT VERY HIGH TEMPS

SECTION V - REACTIVITY/STABILITY DATA

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SECTION V - REACTIVITY/STABILITY DATA ...continued

Stability: STABLE
Stability Threatening Conditions: EXTREME HEAT
Incompatability with Other Materials:N/A
Hazardous Decomposition Products: N/A

Hazardous Polymerization: WILL NOT OCCUR
Hazardous Conditions to Avoid:

SECTION VI - HEALTH HAZARD DATA

Hazard to EYES: MAY CAUSE IRRITATION
Symptoms: IRRITATION IN EYES
In an Emergency: FLUSH WITH WATER FOR 15 MINUTES

Hazard to SKIN: MAY CAUSE IRRITATION
Symptoms: MAY CAUSE DERMITITUS
In an Emergency: WASH WITH WATER AND SOAP

INHALATION: YES
Symptoms: IRRITATION OF THROAT
In an Emergency: REMOVE VICTIM TO FRESH AIR.

INGESTION: UPSET STOMACH
Symptoms: DISCOMFORT
In an Emergency: SEEK A PHYSICIAN

Medical conditions Generally Aggravated by Exposure:
NOT KNOWN

Carcinogenicity: NTP: NO
IARC: NO
OSHA: NO

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Precaution(s) to be exercised when Material is Spilled:
SOAK UP WITH SAND OR SWEEPING COMPOUND
AND SHOVEL INTO SUITABLE WASTE CONTAINER.

Safest Method of Disposal: DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH LOCAL,
STATE, AND FEDERAL REGULATIONS.

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ...continued

Precautions for Handling and Storage:STORE AT ROOM TEMPERATURE. KEEP CONTAINER COVERED.

Other Precautions: NONE

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NONE

Ventilation Data: Local: PREFERABLE

General: PREFERABLE

Special/Unique: NONE

Protective Gloves: CHEMICAL RESISTANT RUBBER GLOVES

Eye protection: GOGGLES AND FACE SHIELD

Protective clothing, etc.: CHEMICAL RESISTANT RUBBER GLOVES

Local Work/Hygenic requirements: HANDLE WITH CARE. KEEP WORK AREA CLEAN AND

Safe Shipping Information:

DOT Regulated: Non-regulated

Shipping Name: Liqua-Tan

Hazard Class: N/A

DOT Labeling: N/A

General Regulatory Requirements: N/A