

SAFETY DATA SHEETS

This SDS packet was issued with item:

077594807

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

077594799 077594880 077594930

SECTION 1: IDENTIFICATION OF PRODUCT

FORMULA: HIGH SPOT / TIGHT SPOT MARKING INDICATOR LIQUID.

SYNONYM OR CROSS REFERENCE: LIQUA MARK RED



AMERICAN DENTAL SUPPLY, INC.

1075 N. Gilmore Street
Allentown, PA 18109-3210
www.americandentalsupply.net
(800) 558-5925**MATERIAL
SAFETY
DATA****NFPA RATINGS**HEALTH HAZARD: 1
FIRE & EXPLOSION: 2
REACTIVITY: 0
PROTECTION: B**SECTION 2: HAZARDOUS INGREDIENTS**

MATERIAL: ETHANOL, 95%, CAS NO. 64-17-5. DENATURANT INCLUDING METHYL ALCOHOL 5%. NO KETONES OR HYDROCARBONS. NON-HAZARDOUS INGREDIENTS WILL NOT BE SEPARATELY LISTED.

NATURE OF HAZARD: FLAMMABLE LIQUID.

DOT CLASSIFICATION (> 1 LITER): ETHYL ALCOHOL, UN 1170, CLASS 3, PG II.

SECTION 3: PHYSICAL DATA

MELTING POINT: N.A.

BOILING POINT: APPROXIMATELY 180° F

VAPOR PRESSURE: (MM.HG) 46 MM HG AT 68° F

SPECIFIC GRAVITY: (H₂O = 1) 0.8 @ 68° F

VAPOR DENSITY: (AIR = 1) 1.5

WATER SOLUBILITY: PARTIAL

PH OF SOLUTION: N.A.

PERCENT VOLATILE: GREATER THAN 80%.

EVAPORATION RATE: (BUAC = 1) 1.4

APPEARANCE: OPAQUE, RED, MOBILE LIQUID. CHARACTERISTIC ALCOHOLIC ODOR.

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): 59° F BY TCC (FLAMMABLE)

FLAMMABLE LIMITS: LEL = 3.4%

UEL = 26%

FIRE EXTINGUISHING MEDIA: DRY CHEMICAL AND CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES: NONE FOR LAB QUANTITIES.

UNUSUAL FIRE AND EXPLOSION HAZARD: FLAMMABLE LIQUID. VAPORS MAY BE IGNITED BY HEAT, SPARKS, FLAMES OR STATIC ELECTRICITY. CONTAINER MAY RUPTURE IF EXPOSED TO EXTREME HEAT.

SECTION 5: HEALTH HAZARD

THRESHOLD LIMIT VALUE: 1000 PPM ETHANOL (MAJOR COMPONENT)

200-400 PPM DENATURANTS(MINOR COMPONENTS)

HEALTH HAZARDS: Effects of overexposure to product.

Skin: PROLONGED OR REPEATED CONTACT CAN CAUSE IRRITATION, DEFATTING AND DERMATITIS. CONTACT WITH BROKEN OR ABRADED SKIN WILL CAUSE STINGING.

Eyes: DIRECT CONTACT CAN CAUSE IRRITATION, REDNESS, TEARING AND BLURRY VISION.

Inhalation: EXCESSIVE INHALATION OF HIGH CONCENTRATIONS CAN CAUSE NOSE AND THROAT IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, AND VISUAL DISTURBANCES (CNS EFFECTS).

Ingestion: CAN CAUSE GASTROINTESTINAL IRRITATION, CNS DEPRESSION, DRUNKENNESS, VISUAL DISTURBANCES, (INCLUDING BLINDNESS), LIVER DAMAGE, CONVULSIONS AND DEATH (IN LARGE QUANTITIES).

FIRST AID PROCEDURES:

Skin: IN CASE OF CONTACT, WASH WITH SOAP AND WATER.

Eyes: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS CALL A PHYSICIAN.

Inhalation: IF AFFECTED, REMOVE TO FRESH AIR.

Ingestion: INDUCE VOMITING AND GET PROMPT MEDICAL ATTENTION.

CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC, OR OSHA

SECTION 6: REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: EXTREME HEAT, SOURCES OF COMBUSTION

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION PRODUCES CARBON DIOXIDE AND MONOXIDE (MAJOR) AND OXIDES OF NITROGEN (MINOR)

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 7: SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

EXTINGUISH ALL NEARBY SOURCES OF IGNITION. ABSORB LIQUID ON PAPER TOWELING, VERMICULITE OR ABSORBANT PADS AND VENTILATE THE AREA.

WASTE DISPOSAL METHOD:

ALLOW RESIDUES TO EVAPORATE TO DRYNESS IN A HOOD OR OPEN AIR. LAB QUANTITIES MAY BE FLUSHED DOWN THE DRAIN WITH EXCESS WATER.

SECTION 8: PROTECTION INFORMATION

VENTILATION: LOCAL EXHAUST PREFERRED. MECHANICAL (GENERAL) ACCEPTABLE IF SUFFICIENT TO KEEP LEVELS BELOW TLV.

SKIN: RUBBER GLOVES.

EYES: CHEMICAL SPLASH GOGGLES ARE PREFERRED. DO NOT WEAR CONTACT LENSES WHEN HANDLING CHEMICALS.

RESPIRATORY: NONE REQUIRED IN NORMAL USE.

OTHER PROTECTIVE EQUIPMENT: EYE WASH STATION

SECTION 9: HANDLING AND STORAGE (lab quantities)

KEEP CONTAINERS WELL CLOSED. STORE IN COOL, DRY, WELL VENTILATED AREA. FOR LABORATORY OR OFFICE USE ONLY. KEEP OUT OF REACH OF CHILDREN. AVOID HEAT AND DIRECT SUNLIGHT. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

SECTION 10: MISCELLANEOUS INFORMATION

REGULATIONS RELATED TO STORAGE, SHIPPING AND HANDLING OF FLAMMABLE LIQUIDS SHOULD BE FOLLOWED.

EMERGENCY RESPONSE: INFOTRAC: 1-800-535-5053**SALES INFORMATION: 1-800-558-5925 (8 AM TO 6 PM EST, MONDAY TO FRIDAY)**

LEACH & DILLON PRODUCT.

Revision Date: 3/1/2013

Information Furnished By: L. D. Hochhauser
Product Development Mgr.

The above information is believed to be accurate and represents the best information currently available to us. However, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, with respect to such information, and we assume no liability resulting from its use or from improper use or handling of the product. Users should make their own investigations to determine the suitability of the information for their particular purposes.

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF PRODUCT

PRODUCT NAME: **LIQUA MARK RED**

APPLICATION: HIGH SPOT / TIGHT SPOT MARKING LIQUID.

EMERGENCY CONTACT: **INFOTRAC: 1-352-323-3500, TOLL-FREE 1-800-535-5053**

SECTION 2: HAZARDS IDENTIFICATION (CLASSIFICATION)

DANGER: FLAMMABLE LIQUID. LESS THAN 1 LITER SHIPS AS ORM-D

WARNING: IRRITANT TO SKIN AND EYES.



SECTION 2A: PHYSICAL HAZARDS

H225: HIGHLY FLAMMABLE LIQUID AND VAPOR. CATEGORY 2

SECTION 2B: HEALTH HAZARDS

THRESHOLD LIMIT VALUE: TLV: 1000 PPM (SOLVENT VAPORS) (CALCULATED)

SKIN: H315: CAUSES SKIN IRRITATION. CATEGORY 2

EYES: H319: CAUSES SERIOUS EYE IRRITATION. CATEGORY 2A

INHALATION: H332: HARMFUL IF INHALED. CATEGORY 4.

INGESTION: H302: HARMFUL IF SWALLOWED. CATEGORY 4

CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

SECTION 3: COMPOSITION / INGREDIENTS

MIXTURE: ☒ Yes ☐ No

ETHANOL CAS# 64-17-5 (MAJOR) APPROX. 60% 2-PROPANONE CAS# 67-64-1(MINOR) APPROX. 20%

FORMULA IS PROPRIETARY.

SECTION 4: FIRST AID MEASURES

SKIN: P302+352: IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. P332+313: IF SKIN IRRITATION OCCURS: CONTACT A POISON CENTER OR DOCTOR/PHYSICIAN.

EYES: P305+351+338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO – CONTINUE RINSING. P337+313: IF EYE IRRITATION PERSISTS GET MEDICAL ADVICE/ATTENTION.

INHALATION: P304+340: IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. P342+311: IF EXPERIENCING RESPIRATORY SYMPTOMS: CALL A POISON CENTER OR DOCTOR/PHYSICIAN.

INGESTION: P311: CALL A POISON CENTER/PHYSICIAN. GIVE 2 GLASSES OF WATER AND INDUCE VOMITING MECHANICALLY OR WITH SYRUP OF IPECAC.

SECTION 5: FIREFIGHTING MEASURES

-18 C TCC

FLASH POINT:

FLAMMABLE LIMITS: LEL 12.8% V/V IN AIR.

FIRE EXTINGUISHING MEDIA: P370+378: IN CASE OF FIRE: USE THE FOLLOWING FOR EXTINCTION:
CARBON DIOXIDE OR DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: NONE FOR LAB QUANTITIES. IF SAFE, REMOVE CONTAINERS FROM SOURCES OF HEAT AND COOL THEM.

UNUSUAL FIRE AND EXPLOSION HAZARD: WHEN HEATED TO DECOMPOSITION, EMITS IRRITATING FUMES. CLOSED BOTTLES WILL RUPTURE IF EXPOSED TO EXTREME HEAT. VAPORS MAY BE IGNITED BY HEAT, SPARKS, FLAMES OR STATIC ELECTRICITY.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PRECAUTIONS: N/A

PROCEDURES: EXTINGUISH ALL NEARBY SOURCES OF IGNITION. VENTILATE THE AREA. ABSORB LIQUID ON PAPER TOWELING, VERMICULITE OR ABSORBANT PADS AND ALLOW TO EVAPORATE IN A HOOD OR OPEN AIR.

SECTION 7: HANDLING AND STORAGE (LAB QUANTITIES)

P102: KEEP OUT OF REACH OF CHILDREN. P402+404: STORE IN A DRY PLACE. STORE IN A CLOSED CONTAINER. P403+235+410: STORE IN A WELL VENTILATED PLACE. KEEP COOL. PROTECT FROM SUNLIGHT. FOR LABORATORY OR OFFICE USE ONLY. DO NOT MIX WITH OTHER MATERIALS UNLESS DIRECTED TO DO SO. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

SECTION 8: EXPOSURE CONTROLS (PERSONAL PROTECTION)

VENTILATION: LOCAL EXHAUST IS PREFERRED. MECHANICAL ACCEPTABLE.

SKIN: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. NITRILE OR RUBBER IMPERMEABLE GLOVES.

EYES: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. SAFETY GLASSES OR GOGGLES. DO NOT WEAR CONTACT LENSES WHEN HANDLING CHEMICALS.

RESPIRATORY: NONE NEEDED IN NORMAL USE.

OTHER: EYE WASH STATION

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: BRIGHT RED, OPAQUE, MOBILE, LIQUID. CHARACTERISTIC SOLVENT ODOR.

PH OF SOLUTION: N/A

MELTING POINT: °F: N/A

BOILING POINT: °F: 56.6 C

SPECIFIC GRAVITY: (H₂O=1): 0.8 AT 20 C

EVAPORATION RATE: (BUAC =1): GREATER THAN 1

VAPOR DENSITY: (AIR =1): GREATER THAN 1

PERCENT VOLATILE: > 80%

VAPOR PRESSURE: (MM HG): 485 AT 39.5 C

WATER SOLUBILITY: PARTIAL

SECTION 10: REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT, SPARKS AND OPEN FLAMES

INCOMPATIBILITY (MATERIALS TO AVOID): ACTIVE METALS, OXIDIZING AGENTS. STRONG ACIDS OR BASES.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL FORM IRRITATING FUMES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

REACTIVITY WITH WATER: WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE: SIGNS AND SYMPTOMS:

SKIN: PROLONGED CONTACT CAN CAUSE IRRITATION AND DEFATTING.

EYES: EXPOSURE TO LIQUID CAN CAUSE SEVERE IRRITATION, REDNESS AND BLURRED VISION.

INHALATION: HIGH CONCENTRATIONS OF VAPOR CAN CAUSE IRRITATION TO RESPIRATORY SYSTEM, HEADACHE, NAUSEA, DIZZINESS AND FATIGUE.

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

CHRONIC EXPOSURE: NO HUMAN DATA REPORTED

SENSITIZER: NO HUMAN DATA REPORTED

CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

TERATOGENICITY: N/A

EMBRYOTOXICITY: N/A

MUTAGENICITY: N/A

PRE-EXISTING CONDITIONS: N/A

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: NOT ESTABLISHED FOR THIS MIXTURE.

DEGRADABILITY: EXPECTED TO BE BIODEGRADABLE

BIOACCUMULATION: NOT EXPECTED TO BIO-ACCUMULATE.

MOBILITY IN SOIL: EXPECTED TO BE LOW.

SECTION 13: DISPOSAL INFORMATION

ALLOW TO EVAPORATE TO DRYNESS IN A HOOD, OR DISPOSE OF IN APPROVED METAL WASTE CAN.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: UN 1170

SHIPPING NAME: ETHANOL SOLUTIONS

CLASS: CLASS 3

PACKING GROUP: GROUP II

MARINE POLLUTANT: N/A

WARNING SYMBOL: FLAMMABLE LIQUID.

OTHER: LESS THAN 1 LITER CAN SHIP AS ORM-D.

SECTION 15: REGULATORY INFORMATION

LABELING: FLAMMABLE, IRRITANT PICTOGRAMS.

NFPA RATINGS: HEALTH HAZARD: 1 FIRE & EXPLOSION: 3 REACTIVITY: 0 SPECIAL PROTECTION: B

NATIONAL REGULATIONS:

TSCA: ALL COMPONENTS ARE ON THE TSCA INVENTORY LIST

SARA: SARA SECTION 302: EXTREMELY HAZARDOUS SUBSTANCES: NONE LISTED.

SARA SECTION 313: N/A

INAPPLICABLE: NO COMPONENTS ARE SUBJECT TO TSCA SNUR LISTING.

FOREIGN REGULATIONS:

ALL COMPONENTS ARE ON THE EU EINECS INVENTORY LIST AND THE CANADIAN DSL.

SECTION 16: OTHER INFORMATION

COPYRIGHT 2014. NO UNAUTHORIZED COPIES MAY BE MADE WITHOUT THE EXPRESS WRITTEN PERMISSION OF AMERICAN DENTAL SUPPLY, INC., ALLENTOWN, PA. ALL RIGHTS RESERVED. REGULATIONS RELATED TO STORAGE AND HANDLING OF VOLATILE AND FLAMMABLE MATERIALS SHOULD BE FOLLOWED.

SALES INFORMATION: 1-800-558-5925 (8 AM TO 6 PM EST, MONDAY TO FRIDAY)

Revision Date: 8/25/2017

Information Furnished By: L. D. Hochhauser
Product Development Mgr.

The above information is believed to be accurate and represents information currently available to us. Reasonable care has been taken in the preparation of this document; however, all the properties of this product may not have been completely evaluated. Users should make their own investigations to determine the suitability of the information for their particular purposes. We make no warrantee of merchantability or any other warrantee, expressed or implied, with respect to such information, and we assume no liability resulting from its use or from improper use or handling of the product. "N/A" indicates that at the time of preparation of this SDS, this information may not have been available or is not applicable. As additional information becomes available, SDS will be updated.