

MATERIAL SAFETY DATA SHEET

LIQUADERM-A™

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SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS

PRODUCT: Liquaderm-A™

SYNONYMS: Hydroalcoholic topical vehicle

MOLECULAR FORMULA (M.W.): Mixture

<u>INGREDIENT (CAS #)</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Isopropyl alcohol (67-63-0)	68	400 ppm	400 ppm
Propylene glycol (57-55-6)	20	N/A	N/A
Glycerin (56-81-5)	3	N/A	10 mg/m ³ (mist)
Polyoxyethylene 4 lauryl ether (9002-92-0)	1	N/A	N/A

SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: 88°C (est.) VAPOR PRESSURE: N/A

MELTING POINT: N/A VAPOR DENSITY: N/A

SPECIFIC GRAVITY: 0.85-0.90 EVAPORATION RATE: N/A
(WATER = 1) (BUTYL ACETATE = 1)

WATER SOLUBILITY: Miscible WATER REACTIVE: No

APPEARANCE AND ODOR: Clear, colorless, mobile liquid with a slight, alcoholic odor.

SECTION 3 - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): N/A AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable and may produce toxic fumes if ignited.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable (X) Unstable ()

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid heat and ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: May produce toxic fumes if ignited.

HAZARDOUS POLYMERIZATION: May Occur () Will Not Occur (X)

SECTION 5 - HEALTH HAZARD DATA

TOXICITY: No specific toxicity data available on this material, however, assumed to be similar to isopropyl alcohol and toxic by ingestion.

CARCINOGEN LISTED BY:	NTP	Yes ()	No (X)
	IARC	Yes ()	No (X)
	OSHA	Yes ()	No (X)
	Other	Yes ()	No (X)

ROUTES OF ENTRY: Inhalation, ingestion, absorption, contact.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION: High vapor concentrations may be irritating to the respiratory tract and can cause headaches and nervous system depression evidenced by dizziness, drowsiness, fatigue and loss of coordination.

EYE CONTACT: Very irritating and may cause eye damage if not removed promptly. High vapor concentrations are irritating to the eyes.

SKIN CONTACT: May cause irritation.

INGESTION: Toxic if ingested. May cause irritation of the gastrointestinal tract, vomiting, or nervous system depression evidenced by dizziness, drowsiness, fatigue, loss of coordination.

CHRONIC EFFECTS OF OVEREXPOSURE: Reduced respiratory function, varying degrees of CNS depression, coma and death may occur.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Preexisting skin, eye and respiratory disorders.

INHALATION: Remove to fresh air. If not breathing give artificial respiration and seek medical assistance immediately.

EYE CONTACT: Immediately flush with water for at least 15 minutes. Seek medical attention immediately.

SKIN CONTACT: Wash with soap and water. If irritation persists or develops, seek medical attention.

INGESTION: Seek medical assistance or contact a poison control center immediately.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION: A NIOSH-approved mist/vapor respirator is recommended.

PROTECTIVE GLOVES: Rubber.

EYE PROTECTION: Safety glasses or goggles. Avoid wearing contact lenses when working with this material due to the possibility of increased severity of eye damage.

VENTILATION: Explosion-proof local or general exhaust recommended to minimize airborne levels.

OTHER PROTECTIVE EQUIPMENT: Appropriate laboratory apparel.

HYGIENIC WORK PRACTICES: Do not eat, drink or smoke near this material. Wash any contaminated clothing before reuse.

SECTION 7 - HANDLING AND STORAGE PRECAUTIONS

HANDLING PRECAUTIONS: Avoid contact with eyes, skin or clothing and avoid breathing vapors.

STORAGE PRECAUTIONS: Store in a tight container in a cool, dry, well ventilated location away from ignition sources.

SECTION 8 - SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE: Remove any ignition sources. Wear all protective gear including: respirator, goggles, gloves. Mop up spillage with an absorbent material and place in a tight container. Wash spill site with soap and water and ventilate. Wash thoroughly after cleanup and wash all clothing and protective gear before reuse.

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable local, state, federal, and environmental regulations.

SECTION 9 - DISCLAIMER

The information contained in this Material Safety Data Sheet has been compiled from reliable sources and is believed to be correct as of the date issued. It is the responsibility of the user to determine the appropriateness and applicability to their situation. Paddock Laboratories, Inc. disclaims any expressed or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental, or consequential damages from use or reliance on the above information.

DEFINITIONS OF ABBREVIATIONS USED:

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS:	Chemical Abstract Service
IARC:	Internal Agency for Research on Cancer
IDLH:	Immediately Dangerous to Life or Health level
LD ₅₀ :	Median Lethal Dose
N/A:	Not available
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
STEL:	Short Term Exposure Limit
TLV:	Threshold Limit Value