



MATERIAL SAFETY DATA SHEET

COLLODION A10

Section 1. Product and Company Identification

Product Name: Collodion A10
Product Use: Medical skin coating
Effective Date: February 21, 2011
Manufacturer Information:

Replaces: New
Mavidon Medical Products
1820 2nd Avenue North
Lake Worth, FL 33461

EMERGENCY PHONE: INFOTRAC (800) 535-5053 24 HOURS/7 DAYS PER WEEK

Section 2. Ingredients and Hazards Identification

Hazardous Components					
Component	CAS #	EINECS No	OSHA PEL	ACGIH TLV	%
Acetone	67-64-1	200-662-2	1000 ppm	500 ppm	84-95
Cellulose nitrate	9004-70-0	NE	NE	NE	7-10
Isopropanol	67-63-1	200-661-7	400 ppm	200 ppm	3-6

Section 3. Hazard Identification

Product is a colorless, flammable liquid.



Flammable



Irritating

Potential Acute Health Effects: May be an irritant to eyes and mucous membranes.

Inhalation: Mists or vapors may cause irritation to upper respiratory tract and mucous membranes.

Ingestion: May cause gastric distress, vomiting and diarrhea.

Skin: Prolonged exposure to the skin may cause local redness or irritation to pre-existing condition.

Eyes: The product will irritate your eyes.

Section 4. First Aid Measures

Eye Contact: Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention., if irritation persists seek medical attention.

Inhalation: Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.

Ingestion: If swallowed, drink 4-8 ounces of water to dilute. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Flash Point: > -4 °F (> -20 °C) Flammable.

Flammability Limits: LEL = 2.5% UEL = 12.8%

Fire Fighting Media: Use for surrounding fire such as dry chemical for small fire, use carbon dioxide, water fog and dry chemical.

Special Fire Fighting Procedures: First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE).



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Section 6. Accidental Release Measures

Clean-up Procedures: Isolate the area. Wear PPE. Absorb the material with kitty litter or other inert absorbent to absorb the spill, keep away from ignition sources and use non-sparking tools to collect and consider proper disposal.

Spills and Leaks: Dispose in accordance to local, state or federal regulations.

Section 7. Handling and Storage

Handling: Do not get into the eyes.

Storage: Store in original labeled container. Keep in cool and dry areas.

Section 8. Exposure Control/Personal Protection

Introductory Remarks: This product is flammable. Avoid ignition sources.

Personal Protection: Wear PPE.

Eyes: Suggest the use of safety goggles or safety glasses to prevent eye contact.

Body: No unusual precautions necessary.

Respiratory: Not Applicable.

Other: None.

Section 9. Physical and Chemical Properties

Colour & odour	Colorless with a mild odor	Vapor Pressure	0.53 atm @ 68 °F (20 °C)
Physical State	Liquid	% Volatiles by Volume	100
Vapor Density (Air = 1)	2.0	Specific Gravity (H ₂ O=1)	0.8285 @ 68 °F (20 °C)
Melting Point	-139 °F (-95 °C)	Solubility	Soluble in water
Boiling Point	132 °F (55.5 °C)	Evaporation rate (Butyl acetate = 1)	7.7

Section 10. Stability and Reactivity

Chemical Stability: Considered stable and under normal ambient temperatures.

Hazardous Decomposition: If complete combustion of the product oxides of carbon formed

Hazardous Polymerization: Will not occur.

Incompatibility: Reactive with oxidizing materials, sulfuric acid, and nitric acids.

Section 11. Toxicological Information

Oral LD₅₀ = 580 mg/kg for acetone

Acute Eye Irritation: May be irritating.

Acute Skin Irritation: Chronic exposure may be irritating.

Acute Dermal Toxicity: Not expected to be absorbed through the skin.

Acute Inhalation Toxicity: Not harmful if inhaled.

Carcinogenic Effects: None known.

Existing Medical Conditions Aggravated by Exposure: May be harmful if swallowed.



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Section 12. Ecological Information

Ecotoxicity: The product is not toxic to aquatic organisms.

Environmental Fate: This product should be expected to be readily bio-degradable on long term basis.

Section 13. Disposal Considerations

Waste Disposal Method: What ever cannot be saved for recovery or recycling according to the local, state or Federal regulations.

Container Handling and Disposal: All containers rinsed and disposed of according to local, state and Federal regulations.

Section 14. Transport Information

Shipping Name: FLAMMABLE LIQUIDS, N.O.S, (ACETONE)

US DOT ground transportation shipments: (Acetone), 3, II

For air (IATA) shipments:

CARGO AIRCRAFT ONLY

UN1993, Flammable liquids, N.O.S., (Acetone), 3, II

Use packing instruction 364 maximum net quantity per package is 15.8 gallons (60 Liters).

PASSENGER AIRCRAFT

UN1993, Flammable liquids, N.O.S., (Acetone), 3, II

Use packing instruction 353, maximum net quantity per package is 1.3 gallons(5 Liters).

For water (IMO) shipments:

UN1993, Flammable liquids, N.O.S., (Acetone), 3, II

Use packing instruction P001.

Section 15. Regulatory Information

EPCRA 311/312 Categories:	Immediate (Acute) Health Effects:	Yes
	Delayed (Chronic) Health Effects:	Yes
	Fire Hazard:	Yes
	Sudden Release of Pressure	No
	Reactivity:	No

Risk phrases; R12, Extremely flammable; R20, Harmful by inhalation; R22, Harmful if swallowed; R36, Irritating to eyes; R38, Irritating to the skin; and R67, Vapours may cause drowsiness and dizziness.

Safety phrases: S2, Keep out of the reach of children; S16, Keep away from sources of ignition; S24, Avoid contact with skin; S25, Avoid contact with eyes; S36, Wear suitable protective clothing; S37, wear suitable gloves; S38, In case of insufficient ventilation, wear suitable respiratory equipment; S39, Wear eye/face protection; and S62, If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label.

Right to know classification: All of the chemicals are listed in FL, MA, NJ and PA.

Reportable Quantity (RQ): Acetone, 5000 pounds (2270 Liters),

SARA 313: 2-propanol

TSCA 8(a) inventory: None.

Prop. 65: Not listed.



WHMIS: Flammable liquid / Class B-2

All of the chemicals are listed in chemical inventories in: ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK.



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Section 16. Other Information

Hazardous Material Information (HMIS)

National Fire Protection Association (NFPA)

Health	2	2	Health
Fire	3	3	Fire
Reactivity	2	2	Instability
Personal Protection	B		NA

Health 4 Deadly 3 Extreme Danger 2 Dangerous 1 Slight hazard 0 No hazard
 Fire 4 < 73 °C 3 < 100 °C 2 < 200 °C 1 >200 °C 0 Will not burn
 Reactivity/Instability 4 May detonate 3 Explosive 2 Unstable 1 Normally stable 0 Stable

Reason for MSDS: New product code and format.

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Abbreviations:

AICS Australian Inventory of Chemical Substances
 CAS # Chemical Abstract Service Number
 °C Celsius temperature scale
 CI China
 DSL Canada
 ECL Korean Existing Chemicals List
 EEC European Economic Commission
 ENCS Japanese Existing and New Chemical List
 EINECS # European Inventory of Existing Chemical Substances Number
 EU European Union
 °F Fahrenheit
 (Israel) 2001 proposed list of chemical substances to be regulated under Israel Hazardous Substances Law and Regulations List
 LEL Lower explosive limit
 MAC Netherlands
 MAK Germany
 MITI Ministry of International trade and Industry
 NA Not applicable
 MITI Japan
 ND Not determined
 NE None established
 PICCS Philippines
 PPE Personal Protective Equipment
 Prop. Proprietary
 SWISS Giftliste 1
 SWISS Inventory of Notified New Substances
 TSCA Toxic Substance Control Act
 (Taiwan) List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086
 UEL Upper explosive limit
 UK United Kingdom
 USA United States

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