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This safety data sheet complies with the requirements of 29CFR1910.1200.

1.0 IDENTIFICATION

PRODUCT NAME: Medigrative® Alcohol Prep Pads
MFR #: 047241935000

DISTRIBUTED BY: Merit Pharmaceutical
2611 N San Fernando Road
Los Angeles, CA 90065

INFORMATION LINE: 1-800-69-MERIT / 800-696-3748
Monday – Friday 7:00 a.m. – 5:30 p.m. PST

EMERGENCY PHONE: 1-800-421-9657

PRODUCT DESCRIPTION: Medigrative®

2.0 HAZARDS IDENTIFICATION

CLASSIFICATION

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Physical Hazards	Flammable Solids	Category 1
Health Hazards	Serious eye damage/eye irritation	Category 2A
Environmental Hazards	Not determined	
OSHA defined hazards	None additional	

Label Elements

Pictograms



Signal Word

Danger



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Hazard Statements

Flammable solid.
Causes serious eye irritation.

Precautionary Statements – Prevention

Keep away from heat/spark/open flames/hot surfaces.
No smoking.
Use only in a well-ventilated area.

Precautionary Statements – Response

If case of fire: use appropriate media to extinguish.
If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing. Immediately call a poison control center.
If inhaled: remove victim to fresh air and keep comfortable for breathing.

Precautionary Statement – Disposal

Dispose of waste and residues in accordance with local authority requirements.

Hazards not otherwise classified (HNOC)

Not applicable

Other information

Not know.

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms None
Substance: Mixture

CHEMICAL NAME	CAS NO.	WEIGHT (%)
Isopropyl Alcohol	67-63-0	70
Purified Water	7732-18-5	30

4.0 FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

General Advice Keep victim warm and quiet. Monitor for systemic secondary effects on liver and kidney. Ensure that medical personnel are aware of the material (s) involved and take precautions to protect themselves.



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- Eye Contact** Immediately flush with plenty of water. After initial flushing remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.
- Skin Contact** In case of skin irritation, discontinue use of product. Wash off with soap and water. Get medical attention if irritation develops and persists.
- Inhalation** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
- Ingestion** If swallowed, contact a Poison Control Center immediately. Immediately rinse mouth out with water. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms May include stinging, tearing, redness, swelling and blurred vision.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Provide general supportive measures and treat asymptotically.

5.0 FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Use foam, dry chemical or carbon dioxide. Be aware of possibility of re-ignition. Keep containers and surroundings cool with water spray.

Unsuitable extinguishing media: None

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

During fire, gases hazardous to health may be formed.

Explosion data
Sensitivity to Mechanical Impact None
Sensitivity to Static Discharge None



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PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.

In case of fire or explosion, do not breathe fumes. In the event of fire, use water spray to cool fire-exposed surfaces and to protect personnel. Shut off fuel to the fire. If a leak or spill has not ignited, use water spray to disperse the vapors.

6.0 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions Wear appropriate protective equipment and clothing during clean up.

Other Information Eliminate all sources of ignition.

For Emergency Responders Use personal protective equipment as required. Vapors can accumulate in low areas. Consider need for evacuation.

ENVIRONMENTAL PRECAUTIONS Collect spillage. Prevent material from entering water courses.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for Containment Contain and absorb using earth, sand or inert materials. Transfer into suitable containers for recovery or disposal.

Methods for Cleaning up N/A

7.0 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Advice on Safe Handling Do not handle near open flame or heat sources. Do not use with electrocautery procedures. Use according to package label instructions. Discard after single use. Avoid inhaling vapor and contact with eyes.



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CONDITIONS FOR SAFE STORAGE

Storage Conditions Keep container closed. Store in a cool, dry, well-ventilated place. Keep away from sources of ignition.

Incompatible Materials N/A

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Exposure Guidelines

OSHA PEL Limits for Air contaminants	Isopropanol 980 mg/m ³ , 400 ppm
US ACGIH Threshold Limit Values	Isopropanol STEL 400 ppm
	Isopropanol TWA 200 ppm
US NIOSH	Isopropanol STEL 1225 mg/m ³ , 500 ppm
	Isopropanol TWA 980 mg/m ³ , 400 ppm

Biological Limit Values

ACGIH Biological Exposure Indices	
Isopropanol	40mg/l, Acetone, Urine

APPROPRIATE ENGINEERING CONTROLS

Ventilation systems. Eyewash stations. Showers.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PPE

Eye/Face Protection Wear gear deemed necessary.

Skin and Body Protection Wear gear as deemed necessary.

Respiratory Protection Wear positive pressure self-contained breathing apparatus (SCBA)

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not smoke. When using do not eat or drink.

9.0 PHYSICAL AND CHEMICAL PROPERTIES



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INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear, Colorless
Form	pre-moistened towelette
Color	N/A
Odor	Alcohol odor
Odor Threshold	No information available

Property	Values	Remarks
pH (1-3% aqueous solution)	Not applicable	
Melting point/freezing point	- C	
Boiling point/boiling range	Between 82 and 83 C	
Flash point	12 C	
Evaporation rate	2.5	
Flammability (solid, gas)	Not applicable	
Flammability Limit in Air <ul style="list-style-type: none">• Upper flammability limit• Lower flammability limit	LEL/UEL 2.0/12.7 vol %	Not Flammable
Vapor pressure	33 mmHg	
Vapor density	Not applicable	
Specific Gravity	0.785	
Water solubility	Not applicable	
Solubility in water	100%	
Partition coefficient	Not applicable	
Autoignition temperature	399 C	
Decomposition temperature	Not applicable	
Kinematic viscosity	Not applicable	
Dynamic viscosity	Not applicable	
Explosive properties	Not applicable	
Oxidizing properties	Not applicable	
Softening point	Not applicable	
Molecular weight	Not applicable	
VOC Content (%)	Not applicable	
Density	Not applicable	
Bulk Density	0.9g/cc	

10.0 STABILITY AND REACTIVITY

CHEMICAL STABILITY Stable under normal condition of handling, use and transport.

POSSIBILITY OF HAZARDOUS REACTIONS None under normal processing.

Hazardous polymerization Does not occur.



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CONDITIONS TO AVOID

Heat, flames and sparks. Avoid temperatures exceeding flash point.

INCOMPATIBLE MATERIALS

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

May include but are not limited to oxides of carbon.

11.0 TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

Product Information

Available toxicological data for individual ingredients are summarized below.

Inhalation

Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Health injuries are not known or expected under normal use.

Eye Contact

Causes serious eye irritation.

Skin Contact

Not expected to be a primary skin irritant.

Ingestion

Not applicable under normal conditions of use.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Isopropanol 67-63-0	5045 mg/kg (rat)	Eye 12800 mg/kg (rabbit)	16970 mg/l/4h

INFORMATION ON TOXICOLOGICAL EFFECTS

No information available.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation

Causes serious irritation to the eye

Respiratory or skin sensitization

Not expected to cause skin sensitization.

Sensitization

No sensitization responses were observed.

Germ cell mutagenicity

Not expected to have chronic health effects.

Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, ACGHI or NTP.

US OSHA Specifically Regulated Substances Not listed

Reproductivity Toxicity

Finished product not expected to have chronic health effects.

STOT- single exposure

Narcotic effects.

STOT – repeated exposure

Not classified.

Chronic Toxicity

No known effect.

Sub-chronic Toxicity

No known effect.

Neurological Effects

Not applicable.



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NUMERICAL MEASURES OF TOXICITY Not available.

12.0 ECOLOGICAL INFORMATION

ECOTOXICITY

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Isopropanol 67-63-0	IC 50 100mg/L, 72 hours	LC 50 Bluegill > 1400 ml/l, 96 hours	EC 50 13299 mg/L: 72 h Daphnia magna

Persistence and degradability No data available.

Bioaccumulation No data available.
Partition coefficient n-octanol/water (log Kow) Isopropanol 0.05

Mobility No data available.

Other adverse effects None expected.

13.0 DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

DISPOSAL OF WASTE Disposal should be in accordance with applicable regional, national and local laws and regulations. Dispose of contents/containers in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 61).

Contaminated packaging Following warning label.

State of California Hazardous Waste Status Isopropanol (67-63-0) Listed

14.0 TRANSPORT INFORMATION

NOTE: THIS MATERIAL IS NOT SUBJECT TO REGULATION AS A DANGEROUS GOOD.

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG	Not regulated
RID	Not regulated
ADR	Not regulated. European requirement only.



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AND

Not regulated. European requirement only.

15.0 REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

OSHA Specifically regulated substances Not listed

LEGEND

TSCA – United States Toxic Substances Control Act Section 8b Inventory

DSL/NDL – Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS – European Inventory of Existing chemical Substances/European List of Notified Chemical

ENCS – Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS – Philippines Inventory of Chemicals and Chemical Substances

AICS – Australian Inventory of Chemical Substances

US FEDERAL REGULATION

SARA

Hazard categories	Immediate Hazard – Yes
	Delayed Hazard – No
	Fire Hazard – Yes
	Pressure Hazard – No
	Reactivity Hazard - No

SARA 302 Extremely Hazardous Substances No

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

SARA 313 (TRI Reporting)

Isopropanol (67-63-0)	40-70% by weight
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CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).



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FDA Regulated as a drug.

CERCLA Isopropanol (67-63-0) Listed

US STATE REGULATIONS

CALIFORNIA PROPOSITION 65

This product does not contain any Proposition 65 chemicals.

US RIGHT TO KNOW REGULATIONS

Isopropanol (67-63-0) Listed California (Hazardous Substances) , Illinois, Louisiana, Minnesota, New Jersey, Massachusetts, Pennsylvania, Rhode Island

Country(s) of Origin United States & Puerto Rico

Toxic Substances Control Act (TSCA) Inventory On inventory? Yes

US EPA LABEL INFORMATION Not applicable.

16.0 OTHER INFORMATION

NFPA

Health Hazards	1
Flammability	3
Reactivity/Instability	0

HMIS

Health Hazards	1
Flammability	3
Physical Hazards	0
Personal Protection	X

Prepared by

Cypress Medical Products, LLC Quality Assurance

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