



MATERIAL SAFETY DATA SHEET

EMERGENCY CONTACT: CHEMTREC 1-800-424-9300 */Commercial#
1 (703) 741-6009

SECTION I IDENTIFICATION

Trade Name: Chloraprep 2.0% **Vendor:** Medi-Flex, Inc.
Cross Reference: N/A **Formula:** Mixture

SECTION II HAZARDOUS INGREDIENTS

CAS#: 67-63-0
DOT Hazard Class: Flammable liquid

Principle Hazardous Component(s)

Name	Health Hazard	%	Exposure Limits in air (ACGIH)
Isopropyl Alcohol	Irritant: Eye	70% Weight	400 ppm (PEL/TLV)
Chlorhexidine Gluconate		2% w/v	

SECTION III PHYSICAL DATA

Boiling Point: N/A	Melting Point: Unknown
Vapor Pressure: N/A	Specific Gravity: 0.880
Vapor Density: N/A	% Volatile by volume: 100
Water Solubility: Complete	Evaporation Rate: Unknown
Appearance & Odor: Clear, colorless liquid	pH 7.0 – 7.5

* This number to be used only for spills, leaks, fire, exposure or accidents. Please direct all other inquiries to Medi-Flex at (915) 231-5000.



SECTION IV FIRE & EXPLOSION DATA

Flash point:	67° F TCC
Explosive Limits:	N/A
Extinguishing Media:	Water fog, alcohol fog, carbon dioxide, dry chemical halogenated agents.
Special Fire Fighting Procedures:	Self-contained breathing apparatus with full facepiece and protective clothing.
Unusual Fire & Explosion Hazards:	May explode if exposed to extreme heat or flame.

SECTION V REACTIVITY

Stability:	Stable; vapors are violent.
Incompatibility:	Oxidizing materials
Hazardous polymerization:	Will not occur.
Hazardous decomposition products	Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia
Conditions to avoid:	Extreme heat or flame.

SECTION VI TOXICOLOGICAL PROPERTIES

Threshold Limit Value:	(TWA) N/A
Toxicity Information:	TSCA (Toxic Substances Control Act) Regulations 40 CFR 710: All ingredients are on the TSCA Section 8(b) inventory. CERCLA and SARA regulations (40 CFR 355.370 and 372): This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

Hazards & First Aid:

Skin:	Wash material off the skin with copious amounts of water. If redness, itching or a burning sensation develops, seek medical attention and discontinue use. See product label
Eyes:	Flush with copious amounts of water. After initial flushing remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel immediately. See product label. May irritate skin then causing dermatitis.
Ingestion:	Give individual at least two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person) Acute LD50 in rat is 19.1 ml/lg in males and 26.6 ml/kg in females.



SECTION VII PREVENTIVE MEASURES

Eye Protection:	Safety glasses. Full faceshield in addition if splashing is possible.
Gloves:	Rubber.
Respiratory:	If needed, use MSHA-NIOSH approved respirator for organic vapors.
Ventilation:	As need to stay below exposure limits.
Other:	Apron.
Handling & storage:	Avoid prolonged exposure (ingestion, inhalation, or skin). Avoid breathing vapors. Store in a cool dry, well-ventilated area. Keep container closed. Wear protective equipment.
Spills Procedure:	For small spills, mop up and rinse to sewer serviced by a wastewater treatment facility. For large spills, eliminate sources of ignition and ventilate spill area. Wear skin, eye and respiratory protection during cleanup. Soak up liquid with absorbent and shovel into waste container. Cover container and remove from work area. Wash residue from spill area with water and flush to sewer serviced by a wastewater treatment facility.
Waste Disposal:	Discarded products is not a hazardous waste under RCRA, 40 CFR 261.

SECTION VIII FIRST AID MEASURES

Skin:	Wash material off the skin with copious amounts of water. If redness or a burning sensation develops, seek medical attention and discontinue use. See product Label.
Eyes:	Flush with copious amounts of water. After initial flushing remove any contact lenses and continue flushing for at least 15minutes. Have eyes examined and treated by medical personnel immediately. See product label.
Ingestion:	Give individual at least two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person) Acute LD50 in rate is 19.1 ml/kg in males and 36.6 ml/kg in females.



SECTION IX TRANSPORT DETAILS

DOT Information

Symbol: G
DOT Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.
Hazard Class: 3
UN NUMBER: UN1993
DOT Packing Group: II
LABEL: FLAMMABLE LIQUID
Special Provision: None for Non-Bulk
Exceptions: Package: 150
Non-Bulk Package: 202
Bulk Package: 202
Hazardous Substance: NO

CONSUMER COMMODITY

Symbol: D
DOT LABEL: ORM-D
Exceptions and Non-Bulk Package: 156/306

SMALL QUANTITY EXCEPTIONS

49 CFR: Paragraph 173.4

IMO

IMDG UN NUMBER: UN1993
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.
Hazard Class: 3
SUB. RISK: MARINE POLLUTANT
IMDG Special Provision: 274/944
IMDG Package: P001
EMS: F-E,S-E
Stowage and Segregation: CATEGORY B

LIMITED QUANTITY

Limited Quantity: 1L
IMDG Volume 2
Chapter 3.4



IATA

IATA UN NUMBER: UN1993

IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. *

IATA UN Class: 3

IATA Label: FLAMMABLE LIQUID

UN Packing Group: II

Limited Quantity Packing Instruction: Y305

MAX Limit: 1L

UN Packing Instruction: 305

MAX Limit: 5L

Cargo Packing Instruction: 307

MAX Limit: 60L

CONSUMER COMMODITY

ID 8000

Hazard Class: Class 9

LABEL: Miscellaneous

Packing Instruction: 910

Passenger/Cargo max Limit: 25kg Gross

DANGEROUS GOODS IN EXCEPTED QUANTITIES

Section 2.7.0

Class 3 PG II

Inner limit: 30ML Outer limit: 500ML



SECTION X PREPARATION INFORMATION

MEDI-FLEX, INC.
1550 Northwestern Drive
El Paso, Texas 79912

PHONE: (915) 231-5000
MSDS DATE: 01/31/05

ACGIH: American Conference of Governmental Industrial Hygienist
IARC: International Agency for Research on Cancer: Monographs
OSHA: Occupational Safety and Health Administration
NTP: National Toxicology Program: Annual Report on Carcinogens.
PEL: Permissible exposure Level (OSHA)
TLV: Threshold Limit Value
TWA: Time Weighted Averages over 8 hours



<i>REVISION SUMMARY</i>	
CAF NUMBER	2005-01-44
REVISION	F
DATE	01/31/05
SUMMARY OF CHANGE	Spell out IPA as Isopropyl alcohol.
<i>REVISION SUMMARY</i>	
CAF NUMBER	2004-12-41
REVISION	E
DATE	12/17/04
SUMMARY OF CHANGE	Change Medi-Flex address/zip and phone/fax numbers.
<i>REVISION SUMMARY</i>	
CAF NUMBER	2004-12-20
REVISION	D
DATE	12/13/04
SUMMARY OF CHANGE	Pg. 1- Added /Commercial# 1(703) 741-6009 to Emergency Contact Information Section. Pg. 5- FLAMMABLE LIQUID, N.O.S. to IATA Proper Shipping Name Information under IATA Information section.
<i>REVISION SUMMARY</i>	
CAF NUMBER	2004-05-11
REVISION	C
DATE	05/05/04
SUMMARY OF CHANGE	Update DOT Information – Exemption: from Special Provision code 47... to ORM-D Material –Consumer Commodity and delete Air/Rail Transport...
<i>REVISION SUMMARY</i>	
CAF NUMBER	2004-01-24
REVISION	B
DATE	01/15/04
SUMMARY OF CHANGE	Logo update, change from Medi-Flex Hospital Products to Medi-Flex. Inc.
<i>REVISION SUMMARY</i>	
CAF NUMBER	2001-08-02
REVISION	A
DATE	08/01/01
SUMMARY OF CHANGE	Original document.