



Di-San

An accessory (co-injection) chemical for increased fluid action and sanitization.

Di-San is a water-soluble formulation containing the patented chemical ingredient, Glutaraldehyde, in combination with other accessory preservatives and drainage-promoting agents. It also includes modifying and control chemicals that act to promote better distribution and penetration of the injected fluid. This results in more uniform and complete saturation of the soft tissue areas. At the same time, Di-San increases the germicidal qualities of the arterial solution — it is compatible with any arterial fluid. This results in greater destruction of bacteria present in the tissue and thereby reduces or minimizes the possible infectious nature of remains.

DIRECTIONS

Di-San can be used up to 4 oz. per gallon of arterial solution as a co-injection (accessory) fluid to improve penetration and firming action, and to enhance the sanitizing qualities of the arterial fluid.

Di-San is compatible with all Champion arterial fluids (refer to Arterial Fluid Product Data Sheet for recommended dilutions). Also, Di-San should be used at the rate of 4-8 oz. when a non-glutaraldehyde based cavity fluid is used on an infectious body.

Di-San is not intended for use as a general disinfectant or sterilant and should not be used for such purposes under any circumstances. Champion has several registered and approved disinfectants that are recommended for such uses.

**BEFORE USING, READ MATERIAL SAFETY DATA SHEET.
FOR PROFESSIONAL EMBALMING USE ONLY.**

MATERIAL SAFETY DATA SHEET

THE CHAMPION COMPANY
400 Harrison Street
Springfield, Ohio 45505
EMERGENCY TELEPHONE NO. (937) 324-5681
CHEMTREC: (800) 424-9300 (Spill, Leak, Fire, Exposure or Accident)

HAZARD RATING	
Health	2
Fire	2
Reactivity	0
Special	0

I. PRODUCT INFORMATION

General Type: Embalming Fluid
Trade Name: Di-San

II. HAZARDOUS INGREDIENTS

MATERIAL (CAS)	%	OSHA PEL TWA/STEL (15)	ACGIH TLV TWA/STEL (15)
Glutaraldehyde (111-30-8)	12	.2ppm (ceiling)	.05ppm (ceiling)
Isopropanol (67-63-0)	8	400ppm/NONE	200ppm/400ppm

III. PHYSICAL DATA

Boiling Point	205°F+	Freezing Point	N/A
Specific Gravity	1.026	Vapor Pressure	UNKNOWN
Vapor Density	1	Solubility in Water	COMPLETE
Percent Volatiles	15	Evaporation Rate	1
		(Butyl Acetate =1)	
Appearance and Odor	Slightly pinkish, clear solution with mild pleasant odor.		

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point	158°F (COC) Combustible Liquid
Flammable Limits In Air	Lower 6.7 Upper 72
Extinguishing Media	Foam, Dry Chemical, Carbon Dioxide, Water Spray
Special Fire Fighting Procedures	Wear self-contained breathing apparatus, cool container with water spray.
Unusual Fire and Explosion Hazard	-----

V. HEALTH HAZARD DATA

Threshold Limit Values	See Part II
Effects of Overexposure	If swallowed may cause burns, nausea, vomiting, diarrhea, blindness or death. Skin contact may cause burns, dermatitis or serious skin injury. Eye contact may cause burns, inflammation, eye injury or blindness. Inhalation may cause burning of throat and lungs, difficult breathing and collapse, liver damage, nerve damage or blindness. Can be absorbed through skin.
Emergency and First Aid Procedures	Contact physician immediately. If swallowed, give milk or water and induce vomiting by sticking finger down throat and get medical attention. If unconscious, give nothing. If eye or skin contact - flush with water for 15 minutes. Remove contaminated clothing, get medical attention. If inhaled - remove to fresh air, give artificial respiration. If not breathing, get medical attention.

VI. REACTIVITY DATA

Stability	Product is stable
Conditions to Avoid	Sparks, heat and open flames
Incompatibilities	Strong acids and alkalis
Hazardous Decomposition Products	At high temperatures may release carbon monoxide or carbon dioxide
Hazardous Polymerization	Will not occur

VII. SPILL OR LEAK PROCEDURES

If Material is Spilled	Neutralize with sodium sulfite solution and flush to sewer with large quantity of water - if allowed. Mop up with dry, non-reactive absorbent and dispose of as solid waste as allowed.
Waste Disposal Method	Flush to chemical sewer, incinerate, dispose in sanitary landfill - if allowed or flush to waste treatment system - if allowed.

VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection	Unnecessary if area is adequately ventilated - use organic vapor mask if necessary.
Local Ventilation	Preferred
Mechanical Ventilation	Acceptable if necessary
Special Ventilation	Not normally required
Other Ventilation	Not normally required
Protective Gloves	Impervious vinyl or rubber type
Eye Protection	Coverall goggles or full face shield
Other Protective Equipment	Safety shower, eye wash and full protective clothing is required.

IX. SPECIAL PRECAUTIONS

Maintain adequate ventilation and engineering controls to insure exposure levels below OSHA limits. Avoid prolonged inhalation or contact with skin or eyes.

Keep bottles tightly capped. Keep away from heat and flames. Store in cool, dry, well-ventilated area.

The information herein given is in good faith but no warranty, expressed or implied, is made, except that to the best of the Company's knowledge it is accurate. The Champion Company does not assume any legal responsibilities for use or dependence upon same. Customers may wish to conduct tests of their own. The user is urged to read the information provided on the label before using product.

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Date August 2009
