


Section 1: Identification			
Common Name/Trade Name	FORMALDEHYDE SOLN 37 % USP		
Supplier Information	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"> Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693 </td> <td style="width: 40%; vertical-align: top;"> IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) </td> </tr> </table>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
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Distributor Name	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au		
Product Synonym(s)	Formaldehyde 37%; Formalin; Morbicide Acid; Methylene Oxide; Methyl Aldehyde		
Relevant Use(s) of Product	Laboratory Chemical		

Section 2: Hazards Identification																	
Classification of Substance or Mixture	Acute toxicity - Oral (Category 3), Acute toxicity - Inhalation (Category 1), Skin corrosion/irritation (Category 1 Category 1B), Serious eye damage/eye irritation (Category 1), Skin sensitization (Category 1), Carcinogenicity (Category 2), Specific target organ toxicity (single exposure) (Category 1), Flammable liquid (Category 3), Corrosive to metals (Category 1)																
Signal Word	Danger																
Hazard Statement(s)	<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">H226</td> <td>Flammable liquid and vapour</td> </tr> <tr> <td>H290</td> <td>May be corrosive to metals</td> </tr> <tr> <td>H301</td> <td>Toxic if swallowed</td> </tr> <tr> <td>H314</td> <td>Causes severe skin burns and eye damage</td> </tr> <tr> <td>H317</td> <td>May cause an allergic skin reaction</td> </tr> <tr> <td>H330</td> <td>Fatal if inhaled</td> </tr> <tr> <td>H351</td> <td>Suspected of causing cancer</td> </tr> <tr> <td>H370</td> <td>Causes damage to organs</td> </tr> </table>	H226	Flammable liquid and vapour	H290	May be corrosive to metals	H301	Toxic if swallowed	H314	Causes severe skin burns and eye damage	H317	May cause an allergic skin reaction	H330	Fatal if inhaled	H351	Suspected of causing cancer	H370	Causes damage to organs
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Pictogram(s)																	

Section 2: Hazards Identification

Precautionary Statement(s)	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical/ventilating/light/equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P260 Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P264 Wash hands thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P281 Use personal protective equipment as required.</p> <p>P284 Wear respiratory protection.</p> <p>P301+P330+P331 IF SWALLOWED Rinse mouth. Do NOT induce vomiting.</p> <p>P301+P310 IF SWALLOWED Immediately call a POISON CENTER or doctor/physician.</p> <p>P302+P352 IF ON SKIN Wash with soap and water.</p> <p>P303+P361+P353 IF ON SKIN (or hair) Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304+P340 IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing.</p> <p>P307+P311 IF exposed Call a POISON CENTER or doctor/physician.</p> <p>P308+P313 IF exposed or concerned Get medical advice/attention.</p> <p>P310 Immediately call a POISON CENTER or doctor/physician.</p> <p>P330 Rinse mouth.</p> <p>P333+P313 If skin irritation or a rash occurs Get medical advice/attention.</p> <p>P334 Immerse in cool water/wrap in wet bandages.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P370+P378 In case of fire Use for extinction.</p> <p>P390 Absorb spillage to prevent material damage.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P406 Store in a corrosive resistant container with a resistant inner liner.</p> <p>P501 Dispose of contents/container to an approved waste disposal plant.</p> <p>P501 Dispose of contents/container to an approved waste disposal plant.</p>
Hazards Not Otherwise Classified	Hazardous: Formaldehyde CAS No 50-00-0 Weight-% 37 EC No. 200-001-8. Methanol CAS No 67-56-1 Weight 10-15 EC 200-659-6 Non-Hazardous: Water CAS No. 7732-18-5 Weight-% Balance EC No 231-791-2.
Ingredient(s) with Unknown Toxicity	No data available

Section 3: Composition/Information on Ingredients

Chemical Name	Formaldehyde 37%; Formalin; Morbucid Acid; Methylene Oxide; Methyl Aldehyde	
Common Name	Formaldehyde 37%, USP	
CAS Number	50-00-0	
	Material	Percent
	Formaldehyde	0.37
	Methanol	10-15%
	Water	Balance %
	CAS	
		50-00-0
		67-56-1
		7732-18-5
Impurities and/or Stabilizing Additives	No data available	

Section 4: First Aid Measures

General Advice	Treat symptomatically.
If Inhaled	Move to fresh air in case of accidental inhalation. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or poison control center immediately.
In Case of Skin Contact	Wash off immediately with soap and plenty of water while removing contaminated clothes and shoes. If skin irritation persists, call a physician.
In Case of Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
If Swallowed	Clean mouth with water and drink afterwards plenty of water. Get medical attention.
Most Important Symptoms and Effects	Extremely flammable liquid and vapor. Gas vaporizes readily from solution and is flammable in air.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use Water spray (fog), Dry chemical, Alcohol resistant foam, Carbon dioxide (CO2)
Special Hazards Arising From the Substance/Mixture	Above flash point, vapor-air mixtures are explosive within flammable limits noted in section 9. Containers may explode when heated.
Special PPE and/or Precautions for Firefighters	In the event of fire, wear full protective clothing and MSHA/NIOSH (approved or equivalent) self-contained breathing apparatus with full-face piece operated in the pressure-demand or other positive pressure mode.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Use only adequate ventilation.
Methods and Materials Used for Containment	Soak up with inert absorbent material. (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Cleanup Procedures	Soak up with inert absorbent material. (e.g. sand, silica gel, acid binder, universal binder, sawdust). Prevent further leakage or spillage if safe to do so.

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid contact with skin, eyes or clothing. Use only with adequate ventilation.
Conditions for Safe Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from any source of heat or ignition. Keep away from incompatible substances.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Chemical name: Formaldehyde ACGIH TLV: Ceiling: 0.3 ppm OSHA PEL TWA: 0.75 ppm (vacated) TWA: 3 ppm unless specified in 1910.1048 (vacated) STEL: 10 ppm 30 min unless specified in 1910.1048 (vacated) Ceiling: 5 ppm unless specified in 1910.1048 STEL: 2 ppm see 29 CFR 1910.1048 Ontario TWA STEL: 1.0 ppm CEN: 1.5 ppm. Chemical Name: Methanol: ACGIH TLV STEL: 250 ppm TWA: 200 ppm S* OSHA PEL TWA: 200 ppm TWA: 260 mg/m3 (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m3 (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m3 (vacated) S* Ontario TWA: 200 ppm STEL: 250 ppm Skin.
Appropriate Engineering Controls	Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice.
PPE - Eye/Face Protection	Tight sealing safety goggles.
PPE - Skin Protection	Suitable protective clothing.
PPE - Body Protection	Suitable protective clothing.
PPE - Respiratory Protection	No data available

Section 9: Physical and Chemical Properties

Appearance	Form: Clear liquid Colour: Colorless
Upper/Lower Flammability or Explosive Limits	Upper Flammability Limit: 73 % Lower Flammability Limit: 7 %
Odor	Pungent
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	Vapor density (Air =1) 1.04
pH	pH: 2.8 31 % solution
Relative Density	No data available
Melting Point/Freezing Point	Melting Point/Freezing Point: - 15 °C / 5 °F
Solubility	Water Solubility: Solubility(ies): Infinitely soluble
Initial Boiling Point and Boiling Range	Boiling Point/Boiling Range: 96 °C / 205 °F
Flash Point	60 °C / 140 °F CC (closed cup)
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	300 °C / 572 °F
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under normal conditions of use and storage.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Heat, flames and sparks; Ignition sources; Incompatibles.
Incompatible Materials	Strong acids and bases, Oxidizing agents, Reacts explosively with Nitrogen Dioxide at ca. 180 °C (356 °F). Reacts violently with Perchloric acid, Perchloric acid-aniline mixtures, and Nitromethane. Reaction with Hydrochloric acid may form bis-Chloromethyl Ether, an OSHA regulated carcinogen
Hazardous Decomposition Products	Carbon dioxide (CO ₂); Carbon mo NO _x ; Formaldehyde

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 Oral Formaldehyde 500 mg/kg (Rat) Methanol 5628 mg/kg (Rat) Water 90 mL/kg (Rat)
Acute Toxicity - Inhalation	Methanol: LC50 0.578 mg/L (Rat) 4 h 1000 m3 (Rat) 30 min
Acute Toxicity - Dermal	Formaldehyde: LC50 mg/L (Rat) 4 h 1000 mg/m3 (Rat) 30 min Methanol: 64000 ppm (Rat) 4 h 83.2 mg/l (Rat) 4 h
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	This product does not contain any carcinogens or potential carcinogens as listed by IARC.
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	This product does not contain any carcinogens or potential carcinogens as listed by NTP.
Carcinogenicity OSHA	No data available
Reproductive Toxicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	0% of the mixture consists of components(s) of unknown hazards to the aquatic environment. Formaldehyde Toxicity to fish 22.6 - 25.7: 96 h Pimephales promelas mg/L LC50 flow-through 1510: 96 h Lepomis macrochirus µg/L LC50 static 41: 96 h Brachydanio rerio mg/L LC50 static 0.032 - 0.226: 96 h Oncorhynchus mykiss mL/L LC50 flow-through 100 - 136: 96 h ncorhynchus mykiss mg/L LC50 static 23.2 - 29.7: 96 h static Toxicity to daphnia and other aquatic invertebrates 2: 48 h Daphnia magna mg/L LC50 11.3 - 18: 48 h Daphnia magna mg/L EC50 Static Methanol: Toxicity to fish 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static
Persistence and Degradability	No data available
Bio-accumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Waste Treatment Methods Packaging	No data available
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	2209
UN Proper Shipping Name	FORMALDEHYDE, SOLUTIONS
Transport Hazard Class(es)	8
Packaging Group	III
Environmental Hazards	No data available

Section 15: Regulatory Information

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material. Chemical Name Formaldehyde CERCLA Hazardous Substances and the Reportable Quantities 100 lb 45.4 kg. SARA Extremely Hazardous Substances EPCRA RQ 100 lb EPCRA RQ SARA Extremely Hazardous Substances TPQ 500 lb TPQ. Methanol: CERCLA Hazardous Substances and the Reportable Quantities 5000 lb. 2270 kg. SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. SARA 311/312 Hazard Categories Acute health hazard Yes, Chronic health hazard Yes, Fire hazard Yes, Sudden release of pressure hazard No, Reactive hazard No. U.S State Right-to-Know Regulations: California Proposition 65: This product does not contain any Proposition 65 chemicals.

Section 16: Other Information

Additional Information	N/A
Prepared By	Lisa Russell
Revision Date	01/11/2019 16:18

Disclaimer

Letco Medical, LLC believes that the above information is correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. If the product is used as a component in another product, this information may not be applicable. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED ABOVE. Letco Medical shall not be held liable for any loss or damage resulting from handling, storage, use or from contact with the above product.