

# Safety Data Sheet

Infosafe No™ ACE4L Issue Date : January 2022 ISSUED by ACECHEM

Product Name **Gut Suture Solution**

Classified as hazardous

## 1. Identification

**GHS Product Identifier** Gut Suture Solution  
**Product Code** G152007  
**Company Name** ACE CHEMICAL COMPANY (ABN 35619819300)  
**Address** 119A Mooringe Avenue Camden Park  
SA 5038 AUSTRALIA  
**Telephone/Fax Number** Tel: 08-8376 0844  
Fax: 08-8295 8563  
**Emergency phone number** 0438760844  
**E-mail Address** acechem@bigpond.com  
**Other Information** Ace Chemical Company has taken care in compiling this information. No liability is accepted wether direct or indirect from its application since the conditions of final use are outside Ace Chemical Companies control.

## 2. Hazard Identification

**GHS classification of the substance/mixture** Eye Damage/Irritation: Category 2A  
Flammable Liquids: Category 2  
STOT Single Exposure: Category 3 (narcotic)  
**Signal Word (s)** DANGER  
**Hazard Statement (s)** H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
**Pictogram (s)** Flame, Exclamation mark



**Precautionary statement – Prevention** P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting//equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash contaminated skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
**Precautionary statement – Response** P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P370+P378 In case of fire: Use for extinction.  
**Precautionary statement – Storage** P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
**Precautionary statement – Disposal** P501 Dispose of contents/container to .

## 3. Composition/information on ingredients

# Safety Data Sheet

Infosafe No™ ACE4L Issue Date : January 2022 ISSUED by ACECHEM

Product Name **Gut Suture Solution**

Classified as hazardous

<b>Ingredients</b>	<b><u>Name</u></b>	<b><u>CAS</u></b>	<b><u>Proportion</u></b>
	2-Propanol	64-17-5	65 %
	Denatured Ethanol		25 %
	Water		9.9 %
	Sodium Nitrite	7632-00-0	0.1 %

**Other Information****4. First-aid measures**

<b>Inhalation</b>	Remove source of contamination or move victim to fresh air. Begin artificial respiration immediately if victim is not breathing. Obtain medical attention.
<b>Ingestion</b>	Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink 240 to 300 mL (8 to 10 oz.) of water to dilute material in stomach. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Repeat administration of water. Obtain medical attention immediately.
<b>Skin</b>	Rinse affected area(s) with lukewarm, gently-running water for at least 15 minutes. Remove contaminated clothing and shoes. Launder before reusing or discard. If skin irritation persists, obtain medical attention.
<b>Eye contact</b>	As quickly as possible, begin rinsing affected eye(s) thoroughly with lukewarm, gently-running water, holding apart the upper and lower eyelid(s) occasionally, for at least 20 minutes. Seek medical attention immediately.
<b>First Aid Facilities</b>	Eye wash station and normal wash facilities.
<b>Advice to Doctor</b>	Treat symptomatically.

**5. Fire-fighting measures**

<b>Suitable extinguishing media</b>	Water fog or spray, carbon dioxide, dry chemical or alcohol foam.
<b>Hazards from Combustion Products</b>	Carbon dioxide (CO <sub>2</sub> ) and carbon monoxide (CO)
<b>Specific Methods</b>	Consider Evacuation. Firefighters to wear breathing apparatus.
<b>Specific hazards arising from the chemical</b>	Water is not generally suitable for fighting fires involving this material due to its low flash point. However, water can be used in the form of a spray or mist to absorb heat, keep containers cool and protect exposed material.
<b>Hazchem Code</b>	2SE

**6. Accidental release measures**

<b>Spills &amp; Disposal</b>	Provide adequate protective equipment and ventilation. Remove sources of heat and flame. Stop the flow if it can be done safely. Contain the spill. Recover liquid for recycling or disposal if feasible. Otherwise absorb the liquid on clay, sand, sawdust or other absorbent material.
------------------------------	--

**7. Handling and storage**

<b>Precautions for Safe Handling</b>	Use in minimal quantities in designated areas with adequate ventilation and away from sources of heat or sparks. Containers should be electrically grounded during transfer or mixing operations. Containers should be covered when not in use and should be stored in a grounded, fire-resistant cabinet. Whenever possible, fire-resistant containers should be used.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in tightly closed electrically grounded containers in a cool area separate from normal work areas. The storage area should have adequate independent ventilation and have no sources of heat or sparks. Fans and other electric motors should be spark resistant. Store away from incompatible materials such as materials that support combustion (oxidising materials). Store in suitable, labelled containers. Use approved storage cabinets, tanks, rooms and buildings. Inspect periodically for deficiencies such as damage or leaks. Consider leak detection and alarm

# Safety Data Sheet

Infosafe No™ ACE4L	Issue Date : January 2022	ISSUED by ACECHEM
--------------------	---------------------------	-------------------

Product Name **Gut Suture Solution**

Classified as hazardous

systems. Have appropriate fire extinguishers available in and near the storage area.

## 8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	2-Propanol			983	400	
<b>Other Exposure Information</b>	SHORT-TERM EXP. LIMIT (TLV-STEL) 500 ppm (1225 mg/m3) SAMPLING & ANALYSIS Detector tubes: Range 200 - 75,000 ppm (short term) Infrared analysis: Minimum detectable concentration 0.12 ppm Gas chromatography Sampling pump with appropriate collecting medium. EXPOSURE CONTROL Note: Exposure to this material can be controlled in many ways. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. Use this general information to help develop specific control measures. Ensure that control systems are properly designed and maintained. Comply with occupational, environmental, fire, and other applicable regulations. *					
<b>Appropriate engineering controls</b>	Engineering control methods to reduce hazardous exposures are preferred. Methods include mechanical ventilation (dilution and local exhaust), process or personnel enclosure, control of process conditions and process modification (e.g. substitution of a less hazardous material). Administrative controls and personal protective equipment may also be required. Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside. Supply sufficient replacement air to make up for air removed by exhaust systems.					
<b>Respiratory Protection</b>	RESPIRATORY PROTECTION If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal protective equipment including approved respiratory protection. Have appropriate equipment available for use in emergencies such as spills or fire. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection. RESPIRATORY PROTECT. GUIDELINES - RECOMMENDATIONS FOR ISOPROPYL ALCOHOL CONCENTRATIONS IN AIR: UP TO 1000 ppm: Powered air-purifying respirator with organic vapour cartridge(s); or full-facepiece chemical cartridge respirator with organic vapour cartridge(s). UP TO 10,000 ppm: SAR operated in a continuous flow mode. UP TO 12,000 ppm: Gas mask with organic vapour canister; or full-facepiece SCBA; or full-facepiece SAR. EMERGENCY OR PLANNED ENTRY IN UNKNOWN CONCENTRATION OR IDLH CONDITIONS: Positive pressure full-facepiece SCBA; or positive pressure, full-facepiece SAR with an auxiliary positive pressure SCBA. ESCAPE: Gas mask with organic vapour canister; or escape-type SCBA. NOTE: The IDLH concentration for isopropyl alcohol is 12,000 ppm. NOTE: Substance causes eye irritation or damage; eye protection needed. ABBREVIATIONS: SAR = supplied-air respirator; SCBA = self-contained breathing apparatus. IDLH = Immediately Dangerous to Life or Health. NOTE: In these recommendations, the IDLH concentration is defined as the maximum concentration which would not cause any escape-impairing symptoms or irreversible health effects to a person exposed for 30 minutes if the respirator failed.					
<b>Eye Protection</b>	Chemical splash goggles or full face mask to protect eyes from liquid or concentrated vapours.					
<b>Hand Protection</b>	Gloves, coveralls, boots, etc. to prevent exposure of skin to liquid or concentrated vapours.					
<b>Personal Protective Equipment</b>	RESIST. FOR PROTECTIVE CLOTHING EXCELLENT - Neoprene, natural rubber or latex, Buna-N, polyethylene GOOD - Polyvinyl chloride (PVC) FAIR - Polyvinyl alcohol (PVA) NOTE: Resistance of specific materials can vary from product to product. Evaluate resistance under conditions of use and maintain clothing carefully. PERSONAL PROTECTION COMMENTS Remove contaminated clothing promptly. Keep contaminated clothing in closed containers. Discard or launder before					

# Safety Data Sheet

Infosafe No™ ACE4L Issue Date : January 2022 ISSUED by ACECHEM

Product Name **Gut Suture Solution**

Classified as hazardous

rewearing. Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling this material. Maintain good housekeeping.

## 9. Physical and chemical properties

<b>Appearance</b>	Colourless to amber liquid with odour of rubbing alcohol ODOUR THRESHOLD 40 - 200 ppm WARNING PROPERTY (ODOUR/IRRIT.) Good - can be detected below the recommended exposure limit.
<b>Melting Point</b>	-86 deg C (-122 deg F)
<b>Boiling Point</b>	82 deg C (180 deg F)
<b>Solubility in Water</b>	Soluble in all proportions SOLUBILITY IN OTHER LIQUIDS Miscible with most organic solvents
<b>Specific Gravity</b>	(SG) 0.786 (water = 1)
<b>Vapour Pressure</b>	33 mm Hg @ 20 deg C; 59.1 mm Hg @ 30 deg C
<b>Vapour Density (Air=1)</b>	2.07 (air = 1)
<b>Physical State</b>	liquid
<b>Viscosity</b>	2.2 mPa.s (2.43 cP) @ 20 deg C
<b>Density</b>	0.786
<b>Flash Point</b>	12 deg C (52 deg F) cl. cup; 17 deg C (63 deg F) op.cup
<b>Flammability</b>	Flammable.
<b>Auto-Ignition Temperature</b>	425 deg C
<b>Flammable Limits - Lower</b>	Not available
<b>Flammable Limits - Upper</b>	Not available
<b>Explosion Properties</b>	(LEL) 2.5% - (UEL) 12%

## 10. Stability and reactivity

<b>Incompatible Materials</b>	Oxidising agents
<b>Possibility of hazardous reactions</b>	STABILITY Normally stable INCOMPATIBILITY -MAT'LS TO AVOID STRONG OXIDIZING AGENTS (e.g. nitrates, perchlorates, peroxides) - increased risk of fire and explosion PHOSGENE - forms isopropyl chloroformate and hydrogen chloride IRON SALTS - explosive thermal decomposition may occur HYDROGEN-PALLADIUM - mixture can ignite in air POTASSIUM t-BUTOXIDE NITROFORM HAZARDOUS DECOMPOSITION PRODUCTS None HAZARDOUS POLYMERIZATION Does not occur CORROSIVITY TO METALS Not corrosive

## 11. Toxicological Information

<b>Toxicology Information</b>	ANIMAL TOXICITY DATA LD50 (rat, oral): 4.42 - 5.84 g/kg LD50 (mouse, oral): 4.8 g/kg LD50 (rabbit, oral): 7.9 g/kg LD50 (rabbit, dermal): 13 g/kg Irritant dose (rabbit, skin): 500 mg/24 hours (mild skin irritant) Irritant dose (rabbit, eye): 0.1 mL 70% solution (severe eye irritant) Experiments on animals showed little absorption of the alcohol after massive applications on skin. Common signs of acute isopropyl alcohol intoxication of animals are hind leg paralysis, unsteadiness, lack of muscular coordination, respiratory depression and stupor. No serious long-term effects have been reported in animals. LDLo (man, oral): 3570 mg/kg TCLo (human, ihl): 400 ppm, irritation
<b>Ingestion</b>	May cause drowsiness, gastrointestinal pain, cramps, nausea, vomiting and diarrhea; unconsciousness and death following massive exposures. Lethal dose for humans is estimated to be approximately 3575mg/kg.

# Safety Data Sheet

Infosafe No™ ACE4L Issue Date : January 2022 ISSUED by ACECHEM

Product Name **Gut Suture Solution**

Classified as hazardous

<b>Inhalation</b>	Mild irritation of the upper respiratory tract at 400 ppm. CNS depression is common, ranging from disorientation and lethargy to coma. High concentrations can cause drowsiness, ataxia (incoordination) and deep narcosis.
<b>Skin</b>	Brief exposures are not irritating.
<b>Eye</b>	Eye discomfort without significant injury occurs with brief vapor or splash exposure.
<b>Chronic Effects</b>	HEALTH EFFECTS SKIN: Repeated or prolonged skin contact can cause drying and cracking. INGESTION: No significant changes were found in the chemical or cellular compositions of the blood and urine after humans ingested 6.4 mg/kg of isopropyl alcohol on a daily basis for six weeks. No long-term health effects have been reported in humans. CARCINOGENICITY Not carcinogenic by animal testing. Not classed as a category I, II or III Carcinogen by Worksafe Aust. POTENTIAL FOR ACCUMULATION: Rapidly broken down (metabolized) in the body. Does not accumulate.

## 12. Ecological information

## 13. Disposal considerations

<b>Waste Disposal</b>	Dispose of in designated landfill site or burn in an approved solvent burner. If small amounts are disposed of into a sink or sewer, rinse with ample water to prevent the accumulation of flammable vapours. Confirm disposal practices with regulatory agencies.
-----------------------	--

## 14. Transport information

<b>Transport Information</b>	This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 3 - Flammable Liquids are incompatible in a placard load with any placard load with any of the following: - Class 1, Explosives - Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk - Class 2.3, Toxic Gases - Class 4.2 Spontaneously Combustible Substances - Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides - Class 6 Toxic Substances (where the flammable liquid is nitromethane) - Class 7 Radioactive Substances.
<b>U.N. Number</b>	1993
<b>UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S.
<b>Transport hazard class(es)</b>	Class 3
<b>Hazchem Code</b>	2SE
<b>Packing Group</b>	Pack Group II
<b>EPG Number</b>	3A1
<b>IERG Number</b>	14

## 15. Regulatory information

<b>Poisons Schedule</b>	Not Scheduled
<b>Packaging &amp; Labelling</b>	As required by the ADG Code.

## 16. Other Information

<b>Contact Person/Point</b>	Ace Chemical Company 119A Mooringe Avenue Camden Park S.A. 5038 Tel: 08-8376 0844 Fax: 08-8295 8563
-----------------------------	--

# Safety Data Sheet

Infosafe No™ ACE4L

Issue Date : January 2022

ISSUED by ACECHEM

Product Name **Gut Suture Solution**

Classified as hazardous

or Poisons Information Centre

Tel: 13 11 26

Disclaimer:

Ace Chemical Company has taken care in compiling this information. No liability is accepted wether direct or indirect from its application since the conditions of final use are outside Ace Chemical Companies control.

...End Of MSDS...

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd. The compilation of MSDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Chemical Safety International Pty Ltd.