

Safety Data Sheet

Infosafe No™ 5GEB2 Issue Date : February 2014 Status : ISSUED

Product Name **GFS BIOPROTECT™ ALCOHOL GEL NO FRAGRANCE**

Classified as hazardous

1. Identification

GHS Product Identifier GFS BIOPROTECT™ ALCOHOL GEL NO FRAGRANCE
Company Name GFS Australasia
Address 41 Magnesium St Narangba
QLD 4505 Australia
Telephone/Fax Number Tel: 1300 969 430
Fax: +61 7 3399 2497
Emergency phone number 1300 969 430
Recommended use of the chemical and restrictions on use Hand Anti-bacterial gel treatment

2. Hazard Identification

Classification of the substance or mixture Flammable Liquids: Category 2
Signal Word (s) WARNING
Hazard Statement (s) Highly flammable liquid and vapour.
General Precautionary Statement (s) Keep out of reach of children.
Pictogram (s) Flame



Precautionary statement – Prevention Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.

Precautionary statement – Response In emergency situations or if spilt on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use alcohol stable foam, carbon dioxide or chemical powder for extinction.

Precautionary statement – Storage Store in a well-ventilated place. Keep cool.

Precautionary statement – Disposal Dispose of contents/container in accordance with local regulations.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Ethanol	64-17-5	60-<70 %
	Other ingredients classified as non hazardous at the concentrations used according to the criteria of Safework Australia		-

4. First-aid measures

First Aid Measures If poisoning occurs contact a doctor or Poisons Information Centre Phone Australia 131126, New Zealand 0800 764 766.

Inhalation Remove victim from exposure if safe to do so. Remove contaminated clothing and

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Ingestion	loosen remaining clothing. Allow patient to assume a comfortable position and keep warm. Seek medical advice if symptoms persist. Do NOT induce vomiting. Wash mouth out with water. Give water to drink. Seek medical advice.
Skin	Under normal conditions this product is safe on skin. In the event of an allergic reaction, wash affected area thoroughly with soap and water. In emergency situations if skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Eye contact	Hold eyelids open and irrigate continuously with water for 15 minutes. Seek medical advice.
First Aid Facilities	Use should be made of an on-site approved first aid kit if required in the first instance until medical assistance is forthcoming. Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
Advice to Doctor	Treat symptomatically. Show this M.S.D.S. to the medical practitioner.

5. Fire-fighting measures

Fire Fighting Measures	Flammable liquid. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Suitable extinguishing media	Alcohol stable foam, carbon dioxide or dry chemical powder. Use equipment/media appropriate to surrounding fire conditions.
Hazards from Combustion Products	Decomposition products may include the following materials: carbon dioxide and carbon monoxide
Special Protective Equipment for fire fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Hazchem Code	2[Y]E
Other Information	Flammable liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

6. Accidental release measures

Spills & Disposal	Avoid concentrated spillage from entering drains or watercourse. Remove for disposal in accordance with local waste management. Use suitable containers for disposal.
Personal Protection	No special requirements under normal use conditions.
Clean-up Methods - Small Spillages	Absorb with an inert material and place in an appropriate waste disposal container. Use a water rinse for final clean-up.
Environmental Precautions	Review local regulations before release to the environment.

7. Handling and storage

Precautions for Safe Handling	When not being used, the product containers should be stored upright, and secured with the original closure. If transfer to another container becomes necessary ensure that the container is clearly labelled, the container is of a type suitable for the product, and is clean and free of other materials. This is a flammable liquid. Ensure containers are earthed and protected from static discharge. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, wash hands and remove contaminated clothing.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame). Keep out of the reach of children.

8. Exposure controls/personal protection

Occupational exposure limit values	SWA exposure limits: None established for this product. T.W.A. for Ethyl Alcohol = 1880 mg/m ³ (1000 ppm)
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Biological Limit Values	None established
Appropriate engineering controls	Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.
Individual Protection Measures, such as personal protective equipment (PPE)	Use sensible work practices that reduce operator exposure to the product. Under normal use conditions, this product is safe to apply to the skin. In emergency situations or when handling bulk containers the protective equipment listed below must be worn. Protective gloves: neoprene, nitrile or PVC impervious gloves. Always check with the glove manufacturer or your personal protective equipment supplier regarding the correct type of glove to use. Consult AS/NZS 2161 for further information. Eye protection: safety glasses/goggles with side shield protection and/or full-face shield compliant with AS/NZS 1336 and AS/NZS 1337. Clothing and footwear: waterproof apron, coveralls, trousers, long sleeved shirt, closed in shoes and/or safety footwear compliant with AS/NZS 2210 and AS/NZS 2919. Respiratory Protection: Avoid breathing vapours. Where ventilation is not adequate, respiratory protection may be required. Refer to AS/NZS 1715 and AS/NZS 1716.

9. Physical and chemical properties

Appearance	Clear pale blue gel
Odour	alcohol
Boiling Point	>35°C
Solubility in Water	easily soluble with water
Specific Gravity	0.865 - 0.875 g/ml
pH	6.2 - 6.7
Flash Point	22°C (closed cup) - calculated
Flammability	Flammable

10. Stability and reactivity

Conditions to Avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Use only as directed. Store in accordance with directions given in Section 7 (Handling and storage) of this MSDS.
Incompatible Materials	Incompatible with oxidising agents, organic peroxides and strong acids
Possibility of hazardous reactions	This material is stable under normal conditions of storage and use. Potentially explosive when mixed with oxidising substances.

11. Toxicological Information

Ingestion	May cause discomfort & irritation, possibly nausea
Inhalation	Inhalation of fine mists may cause irritation to the respiratory tract and nasal passages.
Skin	Should not have adverse effects on the skin when used as directed. Prolonged contact may defat the skin.
Eye	May cause irritation.
Chronic Effects	No long-term exposure effects are known.
Other Information	TOXICITY DATA FOR ETHYL ALCOHOL: Oral LD50 (rat): 7060 mg/kg Oral LD50 (mouse): 3450 mg/kg Inhalation LC50 (rat): 20,000 ppm/10hr Inhalation LC50 (mouse): 39 g/m ³ /4hr

12. Ecological information

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Other Information Avoid contaminating waterways

13. Disposal considerations

Disposal Considerations Remove for disposal in accordance with local waste management regulations.

14. Transport information

Transport Information 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 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.

U.N. Number 1170**UN proper shipping name** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)**Transport hazard class(es)** 3**Hazchem Code** 2[Y]E**Packaging Method** 3.8.3RT1**Packing Group** II**EPG Number** 3A1**IERG Number** 14**UN Number (Air Transport, ICAO)** 1170**IATA/ICAO Packing Group** II**IATA/ICAO Hazard Class** 3**IATA/ICAO Proper Shipping Name** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)**IMO Proper Shipping Name** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)**IMDG UN No** 1170**IMDG Hazard Class** 3**IMDG Pack. Group** II

15. Regulatory information

Poisons Schedule Not Scheduled**Hazard Category** Highly Flammable**AICS (Australia)** All ingredients listed

16. Other Information

Other Information MSDS version: 2
Reason for revision: New format

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed. Never return any unused material to original drum.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writers knowledge. The

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document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

...End Of MSDS...

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