



ABN: 71 149 716 003

ETHANOL 94 TBA

1. Identification of the substance/preparation and of the company/undertaking

Product Name: ETHANOL 94 TBA
Relevant identified uses: Hand Sanitiser Base.
Use according to manufacturer's directions.

Emergency telephone
Poisons Information Centre – **13 11 26** or
www.poisonsinfo@nsw.gov.au

Supplier:
Bermuda Industrial Supplies
Unit 16/1 Cowpasture Place
WETHERILL PARK NSW 2164
Telephone: 02 9604 4344

Date of issue: 16-3-2022
Version No: 1.0

2 Composition/information on ingredients

Proper Shipping Name: ETHANOL (ETHYL ALCOHOL)
or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

CAS-number	Proportion	Name
64-17-5	>93%	ethanol
75-65-0	0.25%	tertiary butanol
7732-18-5	<5%	water

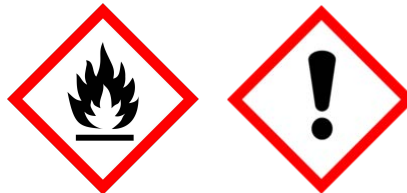
3 Hazards identification

Poisons Schedule: Not Applicable
Classification: Flammable Liquid Category 2,
Eye Irritation Category 2A
Signal Word: **DANGER**

Hazard statement(s):
H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.

Precautionary statement(s) 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/intrinsically safe equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Hazard Pictogram(s):



Precautionary statement(s) Response:
P370+P378 In case of fire: Use alcohol resistant foam or normal protein foam for extinction.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P303+P361+P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.

4 First-aid measures

Symptoms and effects	May Cause irritation and discomfort to eyes, mouth, throat and Gastro intestinal tract
First-aid Ingestion	Wash mouth with water, DO NOT induce vomiting and seek medical advice immediately
Inhalation	Remove victim to fresh air away from contaminated area. Loosen clothing and allow patient to be comfortable. Seek medical advice if effects persist.
Skin	Remove contaminated clothing and wash affected areas with copious amounts of running water. Seek medical attention if skin appears to be damaged
Eye	Immediately wash eyes with copious amounts of water for at least 15 minutes, holding eyelids open. Seek medical attention
Advice to physician	Treat symptomatically

5 Fire-fighting measures

Extinguishing media	Alcohol stable foam, dry chemical powder, BCF (where regulations permit), carbon dioxide, water spray or fog (large fires only)
Special exposure hazards	If involved in a fire, it is highly flammable.
Hazardous decomposition/combustion products	Carbon dioxide (CO ₂) and other pyrolysis products typical of burning organic material.
Protective equipment	Fire fighters should wear protective clothing and breathing apparatus.

6 Accidental release measures

Personal precautions	For personal protection see Section 8.
Environmental precautions	Do not empty into drains.
Methods for cleaning up	Collect as much as possible in a clean container for (preferable) reuse or disposal. Rinse remnant with plenty of water.

7 Handling and storage

Handling	The usual precautions for handling chemicals should be observed.
Fire and explosion prevention	This material is flammable
Storage requirement(s)	<ul style="list-style-type: none">- Store in original container in a cool place away from sunlight, keep container securely sealed when not in use- Containers, even those that have been emptied, may contain explosive vapours.- DO NOT allow clothing wet with material to stay in contact with skin.- Wear protective clothing when risk of exposure occurs.- Use spark-free tools when handling.- Avoid contact with incompatible materials.- Keep containers securely sealed. Always wash hands with soap and water after handling. <ul style="list-style-type: none">- Protect containers against physical damage and check regularly for leaks.

8 Exposure controls/personal protection

Engineering controls	Use only in a well-ventilated area.
Exposure limits	Ventilation
Personal protection	
Respiratory	Mask may be used
Hand	Chemical protective gloves
Eye/Face	Safety glasses with side shields/chemical goggles
Skin and body	Overalls, PVC apron, PVC protective suit

9 Physical and chemical properties

Appearance	Clear highly flammable liquid; miscible with water.
Colour	Clear
Odour	Not available
Melting point/range	-117°C (ethanol)
Initial boiling point/range	78°C (ethanol)
Flash point	11-13°C
Evaporation Rate	Not available
Flammability	HIGHLY FLAMMABLE
Upper Explosive Limit	19%
Lower Explosive Limit	3.3%
Vapour Pressure	5.9 kPa
Solubility in water	Miscible
Vapour density (Air = 1)	Not available
Relative density (Water = 1)	0.8
Auto-ignition temperature	422°C
Decomposition temperature	Not available
Viscosity (cSt)	Not available
Molecular weight (g/mol)	Not available
Volatile component (%vol)	Not available
Gas group	Not available
pH as a solution (1%)	Not available
VOC g/L	Not available

10 Stability and reactivity

Stability	Stable
Conditions to avoid	Reaction with any other chemicals. Deactivated by other detergents Protect against heat and direct sunlight.
Materials to avoid	N/A
Hazardous decomposition products	Nil

11 Toxicological information

Name	Ethanol
Inhalation (rat) LC50:	124.7 mg/l/4H
Oral (rat) LD50:	=1501 mg/kg
Name:	Tertiary butanol
Dermal (rabbit) LD50:	>2000 mg/kg
Inhalation (rat) LC50:	>9988.59 mg/l/4H
Oral (rat) LD50:	1500 mg/kg
Name:	Water
Oral (rat) LD50:	>90000 mg/kg

12 Ecological information

No experimental ecological data are available on the preparation as such.

Name	Ethanol 94 TBA
Ecotoxicity	
fish	Not available
daphnia	Not available
algae	Not available
Fate	Not available
Degradation Abiotic	Not available

13 Disposal considerations

Product	Waste disposal in accordance with regulations.
Contaminated packaging	Waste disposal in accordance with regulations.

14 Transport information

Labels Required



Marine Pollutant HAZCHEM

NO
•2YE

Land transport (ADG)

UN number	1170
UN proper shipping name	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Transport hazard class	3
Subsidiary risk	Not Applicable
Packing group	II

Air transport (ICAO-IATA / DGR)

UN number	1170
UN proper shipping name	Ethanol or ethanol solution
ICAO/IATA Class	3
ICAO / IATA Subrisk	Not Applicable
Packing group	II

Sea transport (IMDG-Code / GGVSee)

UN number	1170
UN proper shipping name	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
IMDG Class	3
IMDG Subrisk	Not Applicable
Packing group	II

15 Regulatory information

Chemical description	Ethanol 94 TBA
Labelling according to EC directives	See section 2
Classification based on	
Symbol(s)	R10 Flammable
R(isk) phrase(s)	R36: Irritating to the eyes
S(afety) phrase(s)	S02: Keep out of the reach of children S26: After contact with the eyes wash immediately S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) S50: Do not mix with other detergents

16 Other information

This information only concerns the above-mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.