

SAPPER

Section 1. Identification

Product identifier:	Sapper	Product Code:	SAPPER
Other means of identification:	N/A		
Recommended use and restrictions on use:	Grease, tar & sap remover. Use in accordance with directions on product label.		
Supplier:	True Blue Chemicals		
Street Address:	2/1 Endeavour Road Caringbah NSW 2229	Postal Address:	PO Box 334 Caringbah NSW 1495
Phone No:	1800 635 746	Fax No:	02 9540 1983
Internet:	www.truebluechemicals.com.au		

Emergency Phone No - 13 11 26 (POISONS INFORMATION CENTRE)

Section 2. Hazards Identification

Classified as hazardous according to the criteria of Safe Work Australia (SWA).

Classified as a dangerous good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

GHS Classification

Flammable Liquids - Category 2
 Skin corrosion/irritation - Category 2
 Sensitization, skin - Category 1

Signal Word

DANGER

Hazard Statements

Highly flammable liquid and vapour.
 Causes skin irritation.
 May cause an allergic skin reaction.

Pictograms



Precautionary Statements

Keep away from heat/sparks/open flames/hot surfaces - No smoking.
 Keep container tightly closed.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.
 Wear protective gloves/eye/face protection.
 Wash hands thoroughly after handling.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical attention.
 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
 If skin irritation occurs: Get medical attention.
 Store in a well-ventilated place. Keep cool.
 In case of fire: Use CO₂, foam or dry chemicals for extinction.
 Dispose of contents in accordance with local/state regulations.

Section 3. Composition and Information on Ingredients

Chemical Name	CAS Number	Percentage (%)
Ethanol	64-17-5	30 - 60
D-Limonene	68647-72-3	30 - 60
Isopropyl alcohol	67-63-0	1 - 10
Other ingredients determined not to be hazardous or below concentration cut-off		to 100

Sapper

Section 4. First Aid Measures

- Swallowed:** DO NOT induce vomiting. Give plenty of water to drink. Seek medical attention or call the Poisons Information Centre (13 11 26 - Australia only) for advice.
- Eye Contact:** Rinse with plenty of water for at least 15 minutes holding eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist seek medical attention.
- Skin Contact:** Immediately wash skin with plenty of water. Remove contaminated clothing and wash before reuse.
- Inhalation:** Move victim to fresh air. If symptoms develop, seek medical advice.
- Symptoms caused by exposure:** Redness, skin rash and irritation. Central nervous system depression including stupor, slurred speech, incoordination, nausea and vomiting.
- Medical attention and special treatment:** No specific treatment. Treat symptomatically.

Section 5. Fire Fighting Measures

- Suitable extinguishing equipment:**
Foam, dry chemical, CO₂.
- Specific hazards arising from the chemical:**
Flammable liquid. Can release vapours that form explosive mixtures with air. Vapour is slightly heavier than air and can travel to source of ignition and flash back to source. Carbon dioxide, carbon monoxide, and other toxic gases may be produced in the case of fire.
- Special protective equipment and precautions for fire fighters:**
Firefighters should wear full protective clothing including self-contained breathing apparatus & chemical splash suit. Remove from the vicinity containers not involved in the fire.

Section 6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures:**
Ensure clean up is conducted by trained personnel only. Clean up spill promptly to avoid accidents. Wear protective equipment (see Section 8) to prevent skin and eye contamination and inhalation of mists and vapours. Stop leak if safe to do so. Ensure adequate ventilation.
- Environmental precautions:**
Ensure no spillage enters drains or waterways. If significant amounts of product does enter a waterway, advise the Environmental Protection Authority or the local Council.
- Methods and materials for containment and cleaning up:**
Cover with damp absorbent material (inert material, sand or soil). Sweep up, but avoid generating dust. Collect and seal in properly labelled drums for disposal in accordance with regulations indicated in Section 13 - Disposal Considerations..

Section 7. Handling and Storage

- Precautions for safe handling:**
Eliminate sources of ignition. Do not use near sparks, open flames and hot surfaces. Observe good personal hygiene practices and recommended procedures. Wash hands thoroughly after handling. Avoid contact with eyes, skin and clothing. Take precautionary measures against static discharge.
- Conditions for safe storage, including incompatibilities**
Store in a cool, dry, well-ventilated place out of direct sunlight. Avoid sources of ignition. Keep containers closed at all times - Check regularly for spills. For large quantities, a fire extinguisher appropriate to class B fires should be kept in the vicinity (dry chemical or carbon dioxide). Store away from strong oxidisers.

Section 8. Exposure Controls and Personal Protection

National Exposure Standards: An occupational exposure standard (OEL) has not been established for the product. The following components have been listed with an OEL as per Safe Work Australia - Workplace Exposure Standards for Airborne Contaminants.

Ingredient Name	CAS No	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)
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Sapper

Ethyl alcohol	64-17-5	1000	1880	-	-
Isopropyl alcohol	67-63-0	400	983	500	1230

Engineering Controls:

Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling vapours. Keep containers closed when not in use.

Individual Protection Measures:

Eye and face protection Safety glasses or chemical resistant goggles should be worn to prevent eye contact.

Skin protection Wear protective gloves to prevent skin contact. Suitable glove types: Nitrile, natural rubber. Do not use gloves made of unsupported neoprene and polyvinyl alcohol (PVA). Replace gloves regularly to avoid exposure from glove degradation.

Respiratory protection If significant vapours or mists are generated, use an appropriate respirator in accordance with AS/NZS 1715 and AS/NSZ 1716.

Thermal hazards Refer to Section 5.

Section 9. Physical and Chemical Properties

Appearance:	Liquid	Colour:	Orange
Odour:	Citrus orange	Boiling Point:	Not available
Vapour Pressure:	Not available	Specific Gravity:	0.81
Flashpoint (°C):	20 (estimated)	Flammability:	Not available
Water Solubility:	Complete	pH:	Not available
Auto-ignition Temperature:	Not available	Viscosity:	Not available
Relative Density:	Not available	Evaporation Rate:	Not available
Vapour Pressure	Not available	Melting Point/Freezing Point	Not available
Partition Coefficient: n-octanol/water	Not available	Upper/Lower Flammability or Explosive Limits:	Not available

Section 10. Stability and Reactivity

Reactivity: Not reactive.

Chemical Stability: Stable under normal ambient storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Avoid sources of ignition, heat, high temperatures (store below 30°C) and direct sunlight.

Incompatible Materials: Do not mix with other chemicals. Store away from acids, alkalis and strong oxidisers.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and other toxic fumes.

Section 11. Toxicological Information
Information on Route of Exposure
Acute Toxicity:

Ingestion: No effects known.

Eye Contact: No effects known.

Skin Contact: No effects known.

Inhalation: No effects known.

Skin Corrosion/Irritation: Irritating to skin.

Serious Eye Damage/Irritation: Not classified.

Sapper

Respiratory or Skin Sensitisation:	May cause skin sensitisation by repeated and prolonged contact. Air-oxidised form of <i>d</i> -limonene was shown to be sensitizing in three out of four separate tests performed on guinea pigs. The unoxidised form of <i>d</i> -limonene did not cause any sensitisation (Karlberg et al., 1991, 1992).	
Germ Cell Mutagenicity:	Not classified.	
Carcinogenicity:	Not classified.	
Reproductive Toxicity:	Not classified.	
Specific Target Organ Toxicity (STOT) - Single Exposure:	Not classified.	
Specific Target Organ Toxicity (STOT) - Repeated Exposure:	Not classified.	
Aspiration Hazard:	Not classified.	
Immediate, Delayed and Chronic Health Effects From Exposure:	Not classified.	
Other Information:	Not classified.	

Section 12. Ecological Information

Ecotoxicity:	No data available.
Persistence and Degradability	No data available.
Bioaccumulative Potential	No data available.
Mobility in Soil	No data available.
Other Adverse Effects	None known.

Section 13. Disposal Considerations

Disposal Methods	Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste third party, in accordance with local regulations.
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Section 14. Transport Information

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code for transport by Road and Rail (Special Provision 144).

UN Number	UN1170
Proper Shipping Name or Technical Name	ETHANOL SOLUTION
Transport Hazard Class	3
Packing Group	II
Environmental hazards for Transport purposes	Not applicable
Special User Precautions	Not applicable
Additional Information	Not Applicable
Hazchem or Emergency Action Code	•2YE

Section 15. Regulatory Information

NICNAS	All substances are listed on the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule (SUSMP)	None allocated.

Section 16. Other Information

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Glossary:

Sapper

Peak limitation means a maximum or peak airborne concentration of a substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

References

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice - Safe Work Australia
2. Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG)
3. Workplace Exposure Standards for Airborne Contaminants - Safe Work Australia
4. Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
5. Hazardous Substances Information System (HSIS) - Safe Work Australia
6. Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
7. European Chemicals Agency (<http://echa.europa.eu/>)
8. Ansell Chemical Resistance Guide - Permeation & Degradation data

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