



# SAFETY DATA SHEET

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Issue Date: 28<sup>th</sup> April 2017  
Hi-Tec Glass Cleaner  
Version: 2

**Product name:** Hi-Tec Glass Cleaner

## 1. COMPANY DETAILS AND PRODUCT IDENTIFICATION

COMPANY: Hi-Tec Oil Traders Pty Ltd. (ABN 28 053 837 362)

ADDRESS: PO Box 322 Castle Hill NSW 1765  
5 Tarlington Place, Smithfield NSW 2164

TELEPHONE NUMBER: 1300 796 009

FAX NUMBER: (02) 9604 1611

EMERGENCY TELEPHONE NUMBER: 1300 796 009

PRODUCT NAME: Hi-Tec Glass Cleaner

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: HI8-8225

USE: Glass and Window Cleaner

ADDITIONAL INFORMATION: Refer to Product Information Sheet for additional information.

OTHER INFORMATION: Visit our website: [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)  
Email: hitecoils@hi-tecoils.com.au

## 2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE: HAZARDOUS SUBSTANCE  
DANGEROUS GOODS  
Hazard classification according to criteria of NOHSC and GHS.  
Dangerous Goods classification according to the Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

DANGEROUS GOODS CLASS: 3

HAZCHEM CODE: •3Y

POISON SCHEDULE: Not applicable



SIGNAL WORD: WARNING





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## 2. HAZARDS IDENTIFICATION (CONT)

HAZARD CLASSIFICATION :	Flammable Liquids - Category 3
HAZARD STATEMENT:	H226: Flammable liquid and vapour.
PREVENTION STATEMENTS:	P102: Keep out of reach of children. P103: Read label before use. 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 and all other equipment.  P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P280: Wear protective clothing, gloves, eye/face protection and suitable respirator.
RESPONSE STATEMENTS:	P101: If medical advice is needed, have product container or label at hand. P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
STORAGE STATEMENT:	P403+P235: Store in a well-ventilated place. Keep cool.
DISPOSAL STATEMENT:	P501: Dispose of contents/container in accordance with local, regional, national and international regulations.

## 3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

CHEMICAL ENTITY	CAS NO	PROPORTION
Ethanol	64-17-5	10-30 % (w/w)
Ingredients determined to be Non-Hazardous	Balance	100%

## 4. FIRST AID MEASURES

GENERAL INFORMATION:	You should call the Poisons Information Centre on 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) if you feel that you may have been poisoned, burned or irritated by this product. Have this SDS with you when you call.
INHALATION:	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.



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### 4. FIRST AID MEASURES (CONT)

**SKIN CONTACT:**

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

**EYE CONTACT:**

If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**INGESTION:**

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**NOTES TO PHYSICIAN:**

Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**HAZCHEM CODE:**

•3Y

**SUITABLE EXTINGUISHING MEDIA:**

If material is involved in a fire use alcohol resistant foam or dry agent (carbon dioxide, dry chemical powder).

**SPECIFIC HAZARDS:**

Flammable liquid and vapour. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

**FIRE FIGHTING FURTHER ADVICE:**

Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILLS:**

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.





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## 6. ACCIDENTAL RELEASE MEASURES (CONT)

### LARGE SPILLS:

If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

### Dangerous Goods:

Initial Emergency Response Guide No: 14

## 7. HANDLING AND STORAGE

### HANDLING:

Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.

### STORAGE:

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks. This material is classified as a Class 3 Flammable Liquid as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail" and / or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### NATIONAL OCCUPATIONAL EXPOSURE LIMITS:

	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Ethyl alcohol 64-17-5	1000	1880	-	-	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight -hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight -hour workday.







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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT)

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**BIOLOGICAL LIMIT VALUES:**

As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**ENGINEERING MEASURES:**

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

**PERSONAL PROTECTION EQUIPMENT:**

Wear safety shoes, overalls, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**HYGIENE MEASURES:**

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOUR:	Aqua blue
ODOUR:	Mild sweet odour
SOLUBILITY:	Soluble in water
SPECIFIC GRAVITY (20 °C):	1.0
RELATIVE VAPOUR DENSITY (AIR=1):	>1





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## 9. PHYSICAL AND CHEMICAL PROPERTIES (CONT)

VAPOUR PRESSURE (20 °C):	Not Available
FLASH POINT (°C):	34.5 (ASTM D93)
FLAMMABILITY LIMITS (%):	Not Available
AUTOIGNITION TEMPERATURE (°C):	Not Available
MELTING POINT/RANGE (°C):	Not Available
BOILING POINT/RANGE (°C):	Not Available
PH:	Not Applicable
VISCOSITY:	Not Available
TOTAL VOC (G/LITRE):	Not Available

## 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	This material is thermally stable when stored and used as directed.
CONDITIONS TO AVOID:	Elevated temperatures and sources of ignition.
INCOMPATIBLE MATERIALS:	Oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon and nitrogen, smoke and other toxic fumes.
HAZARDOUS REACTIONS:	No known hazardous reactions.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### ACUTE EFFECTS

INHALATION:	Material may be an irritant to mucous membranes and respiratory tract.
SKIN CONTACT:	Contact with skin may result in irritation.
INGESTION:	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
EYE CONTACT:	May be an eye irritant.





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## 11. TOXICOLOGICAL INFORMATION (CONT)

### ACUTE TOXICITY

**INHALATION:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20 mg/L

**SKIN CONTACT:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

**INGESTION:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

**CORROSION/IRRITANCY:** Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

**SENSITISATION:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

**ASPIRATION HAZARD:** This material has been classified as non-hazardous.

**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):** This material has been classified as non-hazardous.

### CHRONIC TOXICITY

**MUTAGENICITY:** This material has been classified as non-hazardous.

**CARCINOGENICITY:** This material has been classified as non-hazardous.

**REPRODUCTIVE TOXICITY (INCLUDING VIA LACTATION):** This material has been classified as non-hazardous.

**SPECIFIC TARGET ORGAN TOXICITY (REPEAT EXPOSURE):** This material has been classified as non-hazardous.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**ACUTE AQUATIC HAZARD:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**LONG-TERM AQUATIC HAZARD:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K<sub>ow</sub> < 4.



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### 12. ECOLOGICAL INFORMATION (CONT)

ECOTOXICITY:	No information available.
PERSISTENCE AND DEGRADABILITY:	No information available.
BIOACCUMULATIVE POTENTIAL:	No information available.
MOBILITY:	No information available.

### 13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:	Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS. If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.
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### 14. TRANSPORT INFORMATION

#### ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land"



UN No:	1993
DANGEROUS GOODS CLASS:	3
PACKING GROUP:	III
HAZCHEM CODE:	•3Y
EMERGENCY RESPONSE GUIDE NO:	14
PROPER SHIPPING NAME:	FLAMMABLE LIQUID, N.O.S. (ETHANOL)
SEGREGATION DANGEROUS GOODS:	Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.





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## 14. TRANSPORT INFORMATION (CONT)

### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.



UN No: 1993  
DANGEROUS GOODS CLASS: 3  
PACKING GROUP: III  
PROPER SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. (ETHANOL)

### AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



UN No: 1993  
DANGEROUS GOODS CLASS: 3  
PACKING GROUP: III  
PROPER SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. (ETHANOL)

## 15. REGULATORY INFORMATION

HSNO GROUP STANDARD: HSR002528 - Cleaning Products (Flammable) Group Standard 2006

THIS MATERIAL IS NOT SUBJECT TO THE FOLLOWING INTERNATIONAL AGREEMENTS:

- Montreal Protocol (Ozone depleting substances)
- The Stockholm Convention (Persistent Organic Pollutants)
- The Rotterdam Convention (Prior Informed Consent)
- Basel Convention (Hazardous Waste)
- International Convention for the Prevention of Pollution from Ships (MARPOL)





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### 15. REGULATORY INFORMATION (CONT)

THIS MATERIAL/CONSTITUENT(S) IS COVERED BY THE FOLLOWING REQUIREMENTS:

All the constituents of this material are listed on the *Australian Inventory of Chemical Substances (AICS)*.

### 16. OTHER INFORMATION

CONTACT PERSON/POINT: General Manager 1300 796 009

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.

LITERATURE REFERENCES:

- \* NOHSC: 2011 National Code of Practice for the preparation of Material Safety Data Sheets.
- \* NOHSC: 1008 Approved Criteria for Classifying Hazardous Substances.
- \* NOHSC: 10005 List of Designated Hazardous Substances.
- \* NOHSC: 1005 Control of Workplace Hazardous Substances, National Code of Practice.
- \* NOHSC: 2007 Control of Workplace Hazardous Substances, National Code of Practice.

\* NOHSC: 1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards.

\* NOHSC: 3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note.

\* NOHSC: 1015 Storage and Handling of Workplace Dangerous Goods, National Standard.

\* NOHSC: 2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice.

\* SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons

\* ADG: Australian Dangerous Goods Code

\* MSDS of component materials.

LAST CHANGE: Supersedes document issued: 5<sup>th</sup> September 2016

Reason/s for revision: Alignment to NOHSC requirements

TN714082/1

END OF SDS

