



**Hi-Tec Oil Traders Pty Ltd** ABN 28 053 837 362  
5 Tarlington Place Smithfield NSW 2164  
Correspondence: P.O Box 322 Castle Hill NSW 1765  
**Ph:** 1300 796 009 | **Fax:** (02) 9604 1611 | **Email:** hitecoils@hi-tecoils.com.au

[www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)

# SAFETY DATA SHEET

Page 1 of 6  
Issue Date: 1st October 2013  
Hi-Tec Brake & Parts Cleaner  
Version: 1

**Product name: Hi-Tec Brake & Parts 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 Brake & Parts Cleaner

**OTHER NAMES:** None

**MANUFACTURER'S PRODUCT CODE:** HI8-8210

**USE:** Clear, colourless liquid for cleaning brake drums and disks

**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

This material is classified as hazardous according to the criteria of NOHSC and ASCC. This material is classified as dangerous according to the Australian Code for the Transport of Dangerous Goods. Aerosols are classified as Dangerous Goods, Class 2.1, Packaging Group II, UN 1950 for transport by road and rail.

**RISK PHRASES:** R40 Limited evidence of a carcinogenic effect  
R51/R53 Toxic to aquatic organisms; may cause long term adverse effects in aquatic environment

**SAFETY PHRASES:** S2 Keep out of reach of children  
S23 Do not breathe vapour  
S24/S25 Avoid contact with skin and eyes  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/38 Wear suitable protective clothing, gloves and eye/face protection.  
S61 Avoid release to the environment.  
S62 If swallowed, do not induce vomiting; seek immediate medical advice and show the product container to the treating authority

**POISONS SCHEDULE:** S6



AUSTRALIAN FAMILY OWNED SINCE 1989





# SAFETY DATA SHEET

Page 2 of 6  
Issue Date: 1st October 2013  
Hi-Tec Brake & Parts Cleaner  
Version: 1

## 3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Proportion</u>
Propane/Butane blend	74-98-6/106-97-8	15% - 35%
Perchloroethylene	127-18-4	To 100%

## 4. FIRST AID MEASURES

For advice in an emergency contact a Poisons Information Centre on 131 126 (Australia) or a doctor.

**SWALLOWED:** Rinse the mouth with water and provide water for drinking. If swallowed, DO NOT induce vomiting. Seek immediate medical attention.

**EYE:** Flush the eye constantly with water while keeping the eyelids apart. Continue flushing until advised to stop by the Poisons Information Centre or a doctor. If redness, a burning sensation, blurred vision or swelling persists, seek immediate medical attention. Do not attempt to drive a motor vehicle with damaged sight.

**SKIN:** Remove contaminated clothing immediately and wash the skin with clean fresh water, followed by soap and water, then rinse again. If irritation occurs, seek medical attention. Wash contaminated clothing before using again.

**INHALED:** Remove the person from the area of exposure to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow the patient to adopt their most comfortable and relaxed position and keep at rest until fully recovered. If the patient has difficulty breathing, ensure the airways are clear of obstruction and have a qualified person administer oxygen through a face mask. If breathing stops, apply artificial respiration and seek urgent medical attention. This product contains a hydrocarbon propellant which may include propane which is regarded as an asphyxiant.

Central nervous system depression and chemical pneumonitis can result from repeated and constant exposure to inhaled propellant and they should always be used with care.

**FIRST AID FACILITIES:** Ensure eye bath and safety shower are available and ready for use.

**ADVICE TO DOCTOR:** Treat symptomatically. Adrenalin and similar sympathomimetic drugs should be avoided. Complications may include cardiac arrhythmia and possibly cardiac arrest. Aspiration of this product into the lungs must be avoided.



# SAFETY DATA SHEET

Page 3 of 6

Issue Date: 1st October 2013

Hi-Tec Brake & Parts Cleaner

Version: 1

## 5. FIRE FIGHTING MEASURES

**HAZARDS FROM COMBUSTION PRODUCTS:** Although this product is non-flammable as a liquid, hydrocarbon propellants used in aerosols are flammable and may emit toxic fumes.

**EXTINGUISHING MEDIA:** Fine water spray; foam; dry agents (such as carbon dioxide or dry chemical powder).

**PRECAUTIONS:** Fire will cause a rapid expansion of the contents of an aerosol which will result in an explosion. Only if it is safe to do so, try to remove undamaged containers from the path of the fire. Keep containers cool with a fine water spray. Fire fighters are to wear self contained breathing apparatus and suitable protective clothing to overcome the risk of exposure to toxic vapour or products of combustion.

## 6. ACCIDENTAL RELEASE MEASURES

**EMERGENCY PROCEDURES:** Shut down any potential sources of ignition and clear all unneeded and unprotected personnel from the area. Do not touch or walk through spilled material which may be slippery.

**CONTAINMENT AND CLEAN UP:** Allow leaking aerosols to fully discharge in the open air before disposal. Prevent discharge from entering sewers drains or waterways. Soak up spilled product using absorbent non-combustible material such as soil or sand. Avoid using sawdust or cellulose. When saturated, collect the material and transfer to a suitable, clearly labelled, chemical waste container and dispose of promptly as hazardous waste.

## 7. HANDLING AND STORAGE

**CONDITIONS FOR STORAGE:** Always store aerosols in a cool place and out of direct sunlight. Do not leave aerosols in motor vehicles. Store away from sources of ignition and any oxidising agents.

**PRECAUTIONS FOR SAFE HANDLING:** Avoid skin and eye contact with the contents of aerosol containers and do not breathe in the vapours or mist. When using aerosols, direct the spray nozzle away from the user. Potential sources of ignition, including open flames, pilot lights and any electrical equipment that might produce a spark, must be shut down before using. Only use these products in a well ventilated area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**OCCUPATIONAL EXPOSURE LIMITS:** No value has been assigned for this product by the National Occupational Health and Safety Commission (NOHSC) however there are exposure standards for some of the components:

**Butane:** 8hour TWA\* = 1900mg / m<sup>3</sup>

**Propane:** Asphyxiant

**Perchloroethylene:** 8 hour TWA = 340mg / m<sup>3</sup> (50ppm). The ASCC has deemed this raw material as a carcinogen, Category 3.

\* Time Weighted Average of an airborne concentration over an eight hour working day, for a five day working week, over an average working life. The exposure standards are a guide only and will naturally vary from person to person. All atmospheric contamination,





## SAFETY DATA SHEET

Page 4 of 6

Issue Date: 1st October 2013

Hi-Tec Brake & Parts Cleaner

Version: 1

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

irrespective of the source or type should be kept to a minimum. TWA exposure limits should not be used as a fine line between safe and dangerous concentrations of chemicals and are not a measure of toxicity.

**ENGINEERING CONTROLS:** Always ensure that ventilation is maximised when using aerosol containers.

**PERSONAL PROTECTIVE EQUIPMENT:** The selection of appropriate personal protective equipment is always dependant on a detailed risk assessment which should acknowledge the working environment and the handling techniques employed.

Consumers should wear rubber gloves and eye protection when handling aerosol products and wash hands and exposed skin areas after use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

To avoid confusion, the following data is attributable to the concentrate only, without propellant.

**APPEARANCE:** Water white liquid

**ODOUR:** Mildly sweet odour resembling that of chloroform

**SPECIFIC GRAVITY:** 1.60 @ 20°C

**RELATIVE VAPOUR DENSITY:** Not available

**VAPOUR PRESSURE:** Not available

### 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** This product is stable under intended conditions of use.

**CONDITIONS TO AVOID:** Exposure to heat, sources of ignition, open flames.

**INCOMPATIBLE MATERIALS:** Incompatible with strong acids and strong oxidising agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Unlikely to be experienced under normal conditions of use in an aerosol.

**HAZARDOUS REACTIONS:** Hazardous polymerisation reactions will not occur.

### 11. TOXICOLOGICAL INFORMATION

If the product is used in accordance with the details supplied both on the can and also in this Safety Data Sheet, no adverse health effects are expected. Issues that may arise if the product is mishandled or intentionally misused could include, but might not necessarily be limited to the following:

**INGESTION:** Ingestion can result in nausea, vomiting and central nervous system (CNS) depression. Where evidence of the latter can be observed (similar to those of drunken behaviour), there is a possibility that the patient could breathe in his own vomit and damage his lungs.





# SAFETY DATA SHEET

Page 5 of 6  
Issue Date: 1st October 2013  
Hi-Tec Brake & Parts Cleaner  
Version: 1

## 11. TOXICOLOGICAL INFORMATION (CONT.)

- EYE CONTACT:** Eye contact with the product can lead to redness, sore eyes, excessive (usually temporary) lacrimation and blurred vision. The material should be considered an irritant.
- SKIN CONTACT:** Skin contact can sometimes result in irritation. It will have a de-fatting effect with repeated or prolonged contact leading to irritant contact dermatitis.
- INHALATION:** Vapour inhalation can result in headaches, dizziness or drowsiness. Breathing high concentrations can also cause central nervous system depression, resulting in impaired decision making capability and a loss of co-ordination. Intentional misuse can be fatal.

## 12. ECOLOGICAL INFORMATION

- ECOTOXICITY:** This material can be harmful to aquatic organisms. Do not contaminate waterways or surrounding environments.
- BIOACCUMULATION:** This product has the potential to bioaccumulate in most species.

## 13. DISPOSAL CONSIDERATIONS

- DISPOSAL:** Dispose of in accordance with all local, state and federal laws, by-laws and regulations. Do not puncture or burn can when empty. Allow aerosol cans to fully discharge before disposing.

## 14. TRANSPORT INFORMATION

### ROAD & RAIL TRANSPORT:

1. Classified as Dangerous Goods: 6.1 Toxic Substance
2. UN No. 1897 (Perchloroethylene) / UN1950 (Propellant and other materials)
3. Class-Primary 2.1 Flammable Gas
4. Proper Shipping Name: AEROSOLS
5. Hazchem Code: 2Z

### MARINE TRANSPORT:

1. Classified as Dangerous Goods
2. UN No. 1897 (Perchloroethylene) / UN1950 (Propellant and other materials)
3. Class-Primary 2.1 Flammable Gas
4. Proper Shipping Name: AEROSOLS
5. Hazchem Code: 2Z

### AIR TRANSPORT:

1. Classified as Dangerous Goods
2. UN No. 1950
3. Class-Primary 2.1 Flammable Gas
4. Proper Shipping Name: AEROSOLS, FLAMMABLE



# SAFETY DATA SHEET

Page 6 of 6

Issue Date: 1st October 2013

Hi-Tec Brake & Parts Cleaner

Version: 1

## 15. REGULATORY INFORMATION

**CLASSIFICATION:** This material is not classified as a hazardous substance according to the criteria of Worksafe Australia; however, subcomponents will be subject to hazardous classification.

**CATEGORY:**

## 16. OTHER INFORMATION

**CONTACT PERSON/POINT:** Product Manager Industrial 03 9680 8000

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.

Material 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.

JN100113/1

END OF MSDS