



SAFETY DATA SHEET

Product name: Brake 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: Brake Cleaner

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: HI8-3050

USE: Brake and Parts Cleaner

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

OTHER INFORMATION: Visit our website: www.hi-tecoils.com.au
Email: hitecoils@hi-tecoils.com.au

2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:

This product is classified as: Hazardous according to the criteria of the Australian Safety and Compensation Council (formerly NOHSC) Approved Criteria for Classifying Hazardous Substances [NOHSC:1008] 3rd Edition and GHS Classification.
Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

DANGEROUS GOODS: Class: 3, Flammable liquid.

POISON SCHEDULE: S5 Caution



SIGNAL WORD: DANGER



SAFETY DATA SHEET

2. HAZARDS IDENTIFICATION (CONT)

GHS HAZARD CLASSIFICATIONS

FLAMMABLE LIQUIDS:

Category 2

ASPIRATION HAZARD:

Category 1

SKIN CORROSION/IRRITATION:

Category 2

TOXIC TO REPRODUCTION:

Category 2

SERIOUS EYE DAMAGE / EYE IRRITANT:

Category 2A

SPECIFIC TARGET ORGAN

TOXICITY (SINGLE EXPOSURE):

Category 3 Narcotic Effects

SPECIFIC TARGET ORGAN

TOXICITY (REPEATED EXPOSURE):

Category 2

CHRONIC HAZARD TO THE

AQUATIC ENVIRONMENT:

Category 2

HAZARD STATEMENTS:

H225 Highly Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause dizziness or drowsiness

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

PREVENTION PRECAUTIONARY STATEMENTS:

P102 Keep out of reach of children.

P103 Read label before use.

P201 Obtain special instructions before use.

P202 Do not handle until safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P235 Keep cool.

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.

P260 Do not breathe dust, fume, gas, mist vapours or spray.

P264 Wash hands, face and all exposed skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area

P280 Wear protective clothing, gloves, eye/face protection and suitable respirator

P281 Use personal protective equipment as required.



SAFETY DATA SHEET

2. HAZARDS IDENTIFICATION (CONT)

RESPONSE PRECAUTIONARY STATEMENTS:

P101 If medical advice is needed, have product container or label at hand.
P301+P310 IF SWALLOWED: Immediately call the POISONS INFORMATION CENTER on 13 11 26 or a doctor/physician.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351-P353 IF IN EYES Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call the POISONS INFORMATION CENTER on 13 11 26 or a doctor/physician
P312 Call the POISONS INFORMATION CENTER on 13 11 26 or a doctor/physician if you feel unwell.
P314 Get medical advice / attention if you feel unwell.
P321 Specific treatment (see details below).
P322 Specific measures (see details on label)
P331 Do NOT induce vomiting.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337-P313 If eye irritation persists: Get medical attention/advice.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use Carbon dioxide, dry chemical or foam for extinction.

STORAGE PRECAUTIONARY STATEMENTS:

P403+P233 Store in a well-ventilated place. Keep container tightly closed..
P405 Store locked up.

DISPOSAL PRECAUTIONARY STATEMENT:

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS NO	PROPORTION
Solvent naphtha, petroleum, light aliphatic	64742-89-8	>60 % w/w
Isopropyl Alcohol	67-63-0	<40 % w/w
Ingredients determined to be Non-Hazardous		Balance

4. FIRST AID MEASURES

GENERAL:

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 13 11 26, New Zealand 0800 764 766).

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.



SAFETY DATA SHEET

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:	Immediately 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. Immediately call poisons centre or Doctor.
FIRST AID FACILITIES:	First aid kits,safety showers, eye wash stations
NOTES TO PHYSICIAN:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

HAZCHEM CODE:	3YE
SUITABLE EXTINGUISHING MEDIA:	If material is involved in a fire use alcohol resistant foam, standard foam or dry agent (carbon dioxide, dry chemical powder).
HAZARDS FROM COMBUSTION PRODUCTS:	No data available.
SPECIFIC HAZARDS:	Highly 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 AS/NZS 3000. 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.
---------------	---



SAFETY DATA SHEET

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.

7. HANDLING AND STORAGE

HANDLING:

Avoid eye contact and 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.

Store locked up. 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 & Rail" and/or the "New Zealand NZS 5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison Schedule 5 (Caution) and must be stored, maintained and used in accordance with the relevant regulations.

INCOMPATIBILITIES:

Strong oxidising agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE STANDARDS:

National Occupational Exposure Standard (NES) Australian Safety & Compensation Council, ASCC (formerly NOHSC)

Brake Cleaner

In the absence of occupational exposure standards for this product, it is recommended that the following are adopted.

		TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³		
Hexane (n-Hexane)	20	72	-	-	-	-
Toluene 108-88-3	50	191	150	574		Sk
Isopropyl Alcohol	400	980				

ADDITIONAL INFORMATION :

SK: Skin notation means that significant exposure can also occur by absorption of liquid through the skin and of vapour through the eyes or mucous membranes. Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.



SAFETY DATA SHEET

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT)

ADDITIONAL INFORMATION (CONT) : All occupational exposures to atmospheric contaminants should be kept to as low a level as is workable (practicable) and in all cases to below the National Standard. These Exposure Standards are guides to be used in the control of occupational health hazards. 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. TWA (Time Weighted Average): the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers. STEL (Short Term Exposure Limit): the average airborne concentration over a 15 minute period that should not be exceeded at any time during a normal eight-hour work day.

BIOLOGICAL LIMIT VALUES: Material Determinant Sampling time BEI Reference n-Hexane 2,5-Hexanedion, Sampling time: 0.4 mg/l ACGIH BEL without End of shift at (2008) hydrolysis in end of work
Urine week

PERSONAL HYGIENE: Longer term protection: Nitrile rubber gloves Incidental contact/Splash protection: PVC or neoprene rubber gloves. Chemical resistant gloves/gauntlets, boots, and apron. Skin protection not ordinarily required beyond standard issue work clothes.
Chemical splash goggles (chemical monogoggles).

RESPIRATORY PROTECTION: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for organic gases and vapours [boiling point <65°C] meeting AS/NZS 1715/1716. Where air-filtering respirators are unsuitable (e.g., airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus.

THERMAL PROTECTION: None should be needed under normal circumstances.

SMOKING & OTHER DUSTS: Smoking must be prohibited in all areas where this product is used - see safety information on flammability.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Clear liquid

COLOUR: Colourless

ODOUR: Paraffinic

pH, AT STATED CONCENTRATION: Not applictaion

VAPOUR PRESSURE: No data available



SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES (CONT)

VAPOUR DENSITY:	No dat available
BOILING POINT/RANGE (°C):	Typical 66 - 110°C
FREEZING POINT/MELTING POINT (°C):	No data available
SOLUBILITY:	No data available
SPECIFIC GRAVITY:	0.706 – 0.726 (at 15°C)
FLASH POINT – ABEL CLOSED CUP (°C):	Typical >-20
FLAMMABLE (EXPLOSIVE LIMIT) – UPPER:	No data available
FLAMMABLE (EXPLOSIVE LIMIT) – LOWER:	No data available
AUTOIGNITION TEMPERATURE (°C):	No data available
EVAPORATION RATE:	No data available
VOLATILE ORGANIC COMPOUNDS CONTENT (VOC):	Not Applicable
% VOLATILES:	No data available

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	This material is thermally stable when stored and used as directed.
INCOMPATIBLE MATERIALS:	Alkali metals, Ammonia, Oxidising agents, Peroxides.
CONDITIONS TO AVOID:	Avoid heat, sparks, open flames and other ignition sources.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon and nitrogen, smoke and other toxic fumes.
HAZARDOUS REACTIONS:	No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

EFFECTS

REPEATED DOSE TOXICITY :	Causes damage to organs through prolonged or repeated exposure. Central nervous system: repeated exposure affects the nervous system. Kidney: caused kidney effects in male rats which are not considered relevant to humans Peripheral nervous system: causes peripheral neuropathy which can be potentiated by ketones. (n-Hexane).
--------------------------	---



SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION (CONT)

HEALTH HAZARD:	Vapours may cause drowsiness and dizziness. Slightly irritating to respiratory system. Irritating to skin. Repeated exposure may cause skin dryness or cracking. Vapours may be irritating to the eye. Harmful: may cause lung damage if swallowed. Possibility of organ or organ system damage from prolonged exposure; see Chapter 11 for details. Target organ(s): Central nervous system (CNS). Peripheral nervous system. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Causes serious nerve damage by prolonged exposure resulting in sensory loss. Possible risk of impaired fertility.
REPRODUCTIVE TOXICITY:	This material has been classified as a Category 2 Hazard.
MUTAGENICITY:	This material has been classified as non-hazardous.
SPECIFIC TARGET ORGAN TOXICITY (REPEAT AND SINGLE EXPOSURE):	This material has been classified as a Category 2 Hazard. Exposure via inhalation may effect the central nervous system. In high quantities single exposure can depress the central nervous system.
CARCINOGENICITY:	This material has been classified as non-hazardous.
BASIS FOR ASSESSMENT:	Information given is based on product testing, and/or similar products and/or components.
ACUTE TOXICITY - INGESTION:	Expected to be of low toxicity: LD50 >2,000 mg/Kg, Rat. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
ACUTE TOXICITY - DERMAL:	Expected to be of low toxicity: LD50 >2,000 mg/Kg, Rat
ACUTE TOXICITY - INHALATION:	Expected to be of low toxicity: LD50 >20 mg/L per 4 hours, Rat. Expected to be of low toxicity if inhaled. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.
EYE IRRITATION:	Expected to be non-irritating to eyes. Vapours may be irritating to the eye. Insufficient to classify.
SKIN IRRITATION:	Caues skin irritation. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.
RESPIRATORY IRRITATION:	Inhalation of vapors or mists may cause irritation to the respiratory system.
SKIN SENSITISATION:	Not expected to be a skin sensitiser.
ASPIRATION HAZARD:	This material has been classified as Aspiration Hazard – Category 1.
OTHER INFORMATION:	Additional information. Exposure to very high concentrations of similar materials has benn associated with irregular heart rythmns and cardiac arrest.



SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION (CONT)

OTHER ADVERSE EFFECTS:	In view of the high rate of loss from solution, the product is unlikely to pose a significant hazard to aquatic life
ACUTE TOXICITY – FISH: Toxic:	LL/EL/IL50 1-10 mg/l
ACUTE TOXICITY – ALGAE:	Toxic: LL/EL/IL50 1-10 mg/l
ACUTE TOXICITY - OTHER ORGANISMS:	Aquatic Invertebrates : Toxic: LL/EL/IL50 1-10 mg/l Microorganisms : Expected to be toxic: $1 < LC/EC/IC50 \leq 10$ mg/l

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 Category Chronic 2 Hazard. 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): 1 - 10 mg/L, where the substance is not rapidly degradable and/or $BCF \geq 500$ and/or $\log Kow \geq 4$.

ECOTOXICITY: No information available.

PERSISTENCE AND DEGRADABILITY: No information available.

BIOACCUMULATIVE POTENTIAL: No information available.

MOBILITY: No information available.

13. 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.



SAFETY DATA SHEET

Page 10 of 12
Issue Date: 5 March 2024
Brake Cleaner
Version: 8

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 & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



UN NO: 1268

DANGEROUS GOODS CLASS: 3

PACKING GROUP: II

HAZCHEM CODE: 3YE

PROPER SHIPPING NAME: PETROLEUM DISTILLATES, N.O.S. (SOLVENT NAPHTHA)

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.

MARINE TRANSPORT

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



UN NO: 1268

DANGEROUS GOODS CLASS: 3

PACKING GROUP: II

PROPER SHIPPING NAME: PETROLEUM DISTILLATES, N.O.S. (SOLVENT NAPHTHA)



SAFETY DATA SHEET

Page 11 of 12
Issue Date: 5 March 2024
Brake Cleaner
Version: 8

14. TRANSPORT INFORMATION (CONT)

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: 1268
DANGEROUS GOODS CLASS: 3
PACKING GROUP: II
PROPER SHIPPING NAME: PETROLEUM DISTILLATES, N.O.S. (SOLVENT NAPHTHA)

15. REGULATORY INFORMATION

HSNO GROUP STANDARD: Additives, Process Chemicals and Raw Material (Flammable) Group Standard 2006: HSR002495

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)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material is subject to the following international agreements:

Basel Convention (Hazardous Waste)
• Wastes from the production, formulation and use of organic solvents

International Convention for the Prevention of Pollution from Ships (MARPOL) Annex II – Noxious Liquid Substances carried in Bulk

This material/constituent(s) is covered by the following requirements:

• The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth).
• All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).





SAFETY DATA SHEET

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.

- * NOHSC: 2011 National Code of Practice for the preparation of Material Safety Data Sheets.
- * Safe Work Australia: 2016 Preparation of Safety Data Sheets for Hazardous Chemicals.
- * 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
- * SDS of component materials.

LAST CHANGE: Supercedes document issued: 7 August 2019

Reason/s for revision: Minor editorial changes to comply with GHS requirements.

MR423050/1

END OF SDS