



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

5 Tarlington Place Smithfield NSW 2164

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SAFETY DATA SHEET

Page 1 of 8

Issue Date: 24th February 2014

Petrol Injector Cleaner

Version: 2

Product name: Petrol Injector 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: Petrol Injector Cleaner

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: HI8-3360

USE: Injector 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

HAZARD CLASSIFICATION: HAZARDOUS SUBSTANCE
NON-DANGEROUS GOODS

Hazard classification according to criteria of NOHSC.
Dangerous goods classification according to Australian Dangerous Goods Code.

RISK PHRASE(S): R20/21- Harmful by inhalation and contact with skin
R65- Harmful: may cause lung damage if swallowed
R66- Repeated exposure may cause skin dryness or cracking
R67- Vapours may cause drowsiness and dizziness

SAFETY PHRASE(S): S7/9- Keep container in a well ventilated place
S13- Keep away from food drink and animal feeding stuffs
S27- Take off immediately all contaminated clothing
S36- Wear suitable protective clothing
S40- To clean the floor and all objects contaminated by this material use water and detergent
S51- Use only in well ventilated areas
S62- If swallowed IMMEDIATELY contact Doctor or Poisons Information Centre.



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SAFETY DATA SHEET

Page 2 of 8
Issue Date: 24th February 2014
Petrol Injector Cleaner
Version: 2

3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

CHEMICAL CHARACTERISTICS:	Liquid	
INGREDIENTS:-		
CHEMICAL ENTITY:	CAS No.	PROPORTION
Heating Oil		>60%
Performance additives		<10%

4. FIRST AID MEASURES

HEALTH EFFECTS

SWALLOWED:	If a large quantity is ingested seek immediate medical attention. Give water to drink. Never give anything by mouth to an unconscious person. DO NOT induce vomiting. If vomiting occurs get immediate medical attention due to aspiration into lungs risk.
EYE:	Immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Obtain medical attention if irritation occurs. In all cases of eye contamination it is a sensible precaution to seek medical advice.
SKIN:	Remove contaminated clothing and wash skin thoroughly with plenty of soap and water. Obtain medical attention if irritation occurs. High pressure injection through the skin requires URGENT medical attention for possible incision, irrigation and/or debridement.
INHALED:	Remove victim from exposure to fresh air – avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage and seek urgent medical aid.
FIRST AID FACILITIES:	Normal washroom facilities are generally suitable. Ensure an eye wash station and safety shower is available and ready for use.
ADVICE TO DOCTOR:	Treat symptomatically.
OTHER INFORMATION:	Keep water and mild soap near work site.





SAFETY DATA SHEET

5. FIRE FIGHTING MEASURES

FIRE/EXPLOSION HAZARD

- HAZARDS FROM COMBUSTION: Flammable liquid. On burning will emit toxic fumes including oxides of carbon (carbon monoxide & carbon dioxide).
- FIRE FIGHTERS INFORMATION: As burning will emit toxic fumes, self-contained breathing apparatus and suitable protective clothing is advisable. If safe, remove containers from fire path and keep cool with water spray.
- EXTINGUISHERS: Foam, dry chemical, carbon dioxide.
- HAZCHEM CODE: None.

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

MINOR SPILLS

Slippery when spilt

- Remove all ignition sources
- Clean up all spills immediately
- Avoid breathing vapours and contact with skin and eyes
- Control personal contact by using protective equipment
- Contain and absorb spill with sand, earth, inert material or vermiculite
- Wipe up
- Place in a suitable labelled container for waste disposal

MAJOR SPILLS

Slippery when spilt (Moderate Hazard)

- Clear area of personnel and move upwind
- Alert fire brigade and tell them location and nature of hazard
- Wear breathing apparatus plus protective gloves
- Prevent, by all means available, spillage from entering drain or water course
- No smoking, naked lights or ignition sources
- Increase ventilation
- Stop leak if safe to do so
- Contain spill with sand, earth or vermiculite
- Collect recoverable product into labelled containers for recycling
- Absorb remaining product with sand, earth or vermiculite
- Collect solid residues and seal in labelled drums for disposal
- Wash area and prevent run off into drainings
- If contamination of drains or water ways occurs, advise emergency services.



SAFETY DATA SHEET

Page 4 of 8

Issue Date: 24th February 2014

Petrol Injector Cleaner

Version: 2

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Avoid all personal contact, including inhalation. Wear protective clothing when rest of exposure occurs. Use in well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Avoid smoking, naked lights or ignition sources. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Observe manufacturer's storing and handling recommendations. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions

SUITABLE CONTAINER: Metal can or drums
Packaging as recommended b manufacturer
Check all containers are clearly labelled and free from leaks

STORAGE INCOMPATILITY: Avoid storage with oxidisers
Avoid strong acids.

STORAGE REQUIREMENTS Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storing and handling recommendations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE STANDARDS Human exposure to oil mist alone has not been demonstrated to cause health effects except at levels above 5 mg/m³ (this applies to particulates sampled by a method that does not collect vapour). It is not advisable to apply this standard to oils containing unknown concentrations and types of additives.

ENGINEERING CONTROLS General ehaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. If rist of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas.

EYE: Safety glasses with side shields or chemical goggles should be used. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy docuent, describing the wearing of lens or restriction on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye reness or irritation lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59]



SAFETY DATA SHEET

Page 5 of 8
Issue Date: 24th February 2014
Petrol Injector Cleaner
Version: 2

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

HANDS:	Butyl rubber gloves, Neoprene gloves, PVC gloves
FEET:	Safety footwear, PVC boots
OTHER:	Overalls, Barrier cream and Eyewash station

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
APPEARANCE:	Clear brown liquid
ODOUR:	Petroleum odour
MOLECULAR WEIGHT:	Not Applicable
MELTING RANGE (°C):	Not Available
BOILING RANGE (°C):	Not Available
SOLUBILITY IN WATER (g/L):	Immiscible
SPECIFIC GRAVITY (water=1):	0.83
pH (as supplied):	Not Applicable
pH (1% solution):	Not Applicable
VAPOUR PRESSURE (kPa):	Not Available
VOLATILE COMPONENT (% vol):	Not Available
EVAPORATION RATE:	Not Available
RELATIVE VAPOUR DENSITY (air=1):	Not Available
FLASH POINT (°C):	> 61
LOWER EXPLOSION LIMIT (%):	Not Available
UPPER EXPLOSION LIMIT (%):	Not Available
AUTOIGNITION TEMP (°C):	Not Available





SAFETY DATA SHEET

Page 6 of 8
Issue Date: 24th February 2014
Petrol Injector Cleaner
Version: 2

9. PHYSICAL AND CHEMICAL PROPERTIES (CONT.)

DECOMPOSITION TEMP (°C): Not Available
VISCOSITY: Not Available

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions of use.
CONDITIONS TO AVOID: Heat, direct sunlight, open flames or other sources of ignition.
INCOMPATIBLE MATERIALS: Oxidising agents, acids and alkalis, calcium or sodium hypochlorite.
HAZARDOUS REACTIONS: Highly reactive with oxidising agents, acids and alkalis. Urea reacts with calcium or sodium hypochlorite to form the explosive nitrogen trichloride.
HAZARDOUS POLYMERISATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

INGESTION Considered an unlikely route of entry in commercial/industrial environments. Ingestion may result in nausea, pain, vomiting. Vomit entering the lungs by aspiration may cause potentially lethal chemical pneumonia.

EYE CONTACT This liquid may product eye discomfort causing smarting, pain and redness.

SKIN CONTACT The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. The material may accentuate any pre-existing skin condition.

INHALATION Inhalation of vapour is more likely at higher than normal temperatures. Acute effects from inhalation of high concentrations of gas/vapour are pulmonary irritation, including coughing, with nausea; central nervous system depression- characterised by headache and dizziness, increased reaction time, fatigue and loss of co-ordination.

CHRONIC HEALTH EFFECTS Principal routes of exposure are by accidental skin and eye contact and by inhalation of vapours especially at higher temperatures. Prolonged or continuous skin contact with the liquid may cause defatting with drying, cracking, irritation and dermatitis following.





SAFETY DATA SHEET

Page 7 of 8

Issue Date: 24th February 2014

Petrol Injector Cleaner

Version: 2

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No data

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS: Dispose of according to federal, E.P.A. and state regulations.
Recycle wherever possible.
Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.
Dispose of by: Burial in a licenced land-fill or incineration in a licenced apparatus (after admixture with suitable combustible material).
Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

14. TRANSPORT INFORMATION

TRANSPORT INFORMATION: Label Required: COMBUSTIBLE LIQUID, regulated under AS1940 for Bulk Storage purposes only.

HAZCHEM: None

Not regulated for transport of dangerous goods: UN, IATA, IMDG

15. REGULATORY INFORMATION

POISON SCHEDULE: S5

AUSTRALIAN INVENTORY STATUS: All components are listed or exempted.

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.

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





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SAFETY DATA SHEET

Page 8 of 8

Issue Date: 24th February 2014

Petrol Injector Cleaner

Version: 2

16. OTHER INFORMATION (CONT.)

- 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: 16th September 2013
Reason/s for revision: Minor corrections and revisions.

JN410242/2 **END OF MSDS**



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