



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

5 Tarlington Place Smithfield NSW 2164

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# SAFETY DATA SHEET

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Issue Date: 3 June 2021  
DD50 Coolant Green  
Version: 6

**Product name: DD50 Coolant Green**

## 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: DD50 Coolant Green

OTHER NAMES: DD50 Green

MANUFACTURER'S PRODUCT CODE: HI8-3090

USE: Glycol based engine coolant/antifreeze

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

HAZARD CLASSIFICATION: HAZARDOUS SUBSTANCE  
NON-DANGEROUS GOODS  
Hazard classification according to criteria of NOHSC and GHS.  
Dangerous goods classification according to Australian Dangerous Goods Code.

GHS LABEL ELEMENTS:



SIGNAL WORD: WARNING



AUSTRALIAN FAMILY OWNED SINCE 1989





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## 2. HAZARDS IDENTIFICATION (CONT)

### GHS HAZARD CLASSIFICATION:

ACUTE TOXICITY- ORAL:-  
SPECIFIC TARGET ORGAN TOXICITY  
(REPEATED EXPOSURE):-  
REPRODUCTIVE TOXICITY:-  
AQUATIC TOXICITY (ACUTE):-

Category 4

Category 2

Category 1B

Category 3

HAZARD STATEMENT:

H302 Harmful if swallowed

H373 May cause damage to organs (kidney) through prolonged or repeated exposure if swallowed

H360FD May damage fertility. May damage the unborn child

H402 Harmful to aquatic life

GENERAL:

P101 If medical advice is needed, have product container or label at hand

P102 Keep out of reach of children

P103 Read label before use

PREVENTATIVE:

P201 Obtain special instructions before use

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

P260 Do not breathe mist/vapours/spray

P264 Wash thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P273 Avoid release to the environment

P281 Use personal protective equipment as required

RESPONSE:

P301 + P312 IF SWALLOWED: Call a POISON INFORMATION CENTER on 13 11 26 or doctor/physician if you feel unwell

P308 + 313 IF exposed or concerned: Get medical advice/attention

P314 Get medical advice/attention if you feel unwell.

P330 Rinse mouth

STORAGE:

P405 Store locked up

DISPOSAL:

P501 Dispose of contents/container in accordance with local regulations

OTHER INFORMATION:

Used coolants may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and environment on disposal. All used coolants should be handled with caution and skin contact avoided as far as possible.



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## 3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

CHEMICAL CHARACTERISTICS: Liquid

INGREDIENTS:-

CHEMICAL ENTITY:	CAS No.	PROPORTION
Ethylene Glycol	107-21-1	45-55%
Sodium Nitrite	7632-00-0	< 3%
Disodium Tetraborate Pentahydrate	12179-04-3	< 3%
Denatonium Benzoate	3734-33-6	< 10ppm
Other non hazardous ingredients	-	To 100%

OTHER INFORMATION:

## 4. FIRST AID MEASURES

### HEALTH EFFECTS

SWALLOWED:	If swallowed, do NOT induce vomiting. Have conscious person drink several glasses of water or milk. SEEK IMMEDIATE MEDICAL ATTENTION
EYE:	If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists, seek medical attention
SKIN:	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If irritation persists, seek medical attention
INHALED:	Keep victim calm and remove to fresh air if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment
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.



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## 5. FIRE FIGHTING MEASURES

### FIRE/EXPLOSION HAZARD

**SUITABLE EXTINGUISHING MEDIA:**

Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use water in a jet.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**

Carbon dioxide and/or carbon monoxide may be evolved if incomplete combustion occurs. Material will not burn unless preheated. When heated to decomposition, emits acrid smoke and irritating fumes. Not a product presenting risks of explosion.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS:**

Wear full protective clothing and self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

Avoid contact with spilled or released material. Do NOT ingest. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Ventilate contaminated area thoroughly.

**ENVIRONMENTAL PRECAUTIONS:**

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterways using sand, earth or other appropriate barriers.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:**

For small spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

## 7. HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:**

Avoid breathing vapours. Do NOT ingest. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains.

**CONDITIONS FOR SAFE STORAGE:**

Store in a cool, well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidisers.





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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROL MEASURES:	From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia - Monoethylene glycol: 52mg/m <sup>3</sup> (20ppm) TWA (vapour), 104mg/m <sup>3</sup> (40ppm) STEL (vapour) and 10mg/m <sup>3</sup> TWA (particulate) Disodium tetraborate pentahydrate: 1mg/m <sup>3</sup> TWA
BIOLOGICAL CONTROL:	No biological limit allocated.
ENGINEERING CONTROLS:	Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.
EYE AND FACE PROTECTION:	Wear safety glasses.
SKIN PROTECTION:	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
RESPIRATORY PROTECTION:	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
THERMAL HAZARDS:	Not applicable.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Yellow viscous liquid.
COLOUR:	Yellow green
ODOUR:	None
ODOUR THRESHOLD (ppm):	Data not available.
FREEZING/MELTING POINT:	-37°C
BOILING POINT:	116 °C at radiator cap pressure, 108 °C at atmospheric pressure.
FLASHPOINT (Closed Cup):	116 °C.
EVAPORATION RATE (Butyl acetate =1):	0.01
FLAMMABILITY:	Data not available.
UPPER/LOWER FLAMMABILITY LIMITS(%):	Data not available.





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## 9. PHYSICAL AND CHEMICAL PROPERTIES (CONT)

VAPOUR PRESSURE (mm Hg @20°C):	Data not available.
VAPOUR DENSITY (Air = 1):	Data not available.
DENSITY @ 15°C (kg/L):	1.07 – 1.08
SOLUBILITY:	Soluble in water, methanol, diethyl ether.
pH:	7.6 – 8.5
AUTO IGNITION TEMPERATURE:	Data not available.
DECOMPOSITION TEMPERATURE:	Data not available
KINEMATIC VISCOSITY @ 20°C (mm <sup>2</sup> /s):	Data not available
OTHER INFORMATION:	These physical data and other properties do not constitute a specification.

## 10. STABILITY AND REACTIVITY

REACTIVITY:	Stable under normal conditions of use.
CHEMICAL STABILITY:	Stable under normal conditions of use.
POSSIBILITY OF HAZARDOUS REACTIONS:	Stable under normal conditions of use.
CONDITIONS TO AVOID:	High temperatures.
INCOMPATIBLE MATERIALS:	Strong oxidising agents, strong acids, strong alkalis
HAZARDOUS DECOMPOSITION PRODUCTS:	Burning can produce carbon monoxide and/or carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Low toxicity in animals - Ethylene Glycol: LD50 Oral (rat) = 4700mg/kg LD50 Dermal (rabbit) = 9530mg/kg Note that there is a marked difference in acute oral toxicity between animals and humans, humans being more susceptible than animals. The estimated fatal dose for humans is 100ml Sodium Nitrite: LD50 Oral (rat) = 175mg/kg
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## 11. TOXICOLOGICAL INFORMATION (CONT)

SKIN CORROSION/IRRITATION:	May cause skin irritation; prolonged contact may cause dermatitis.
SERIOUS EYE:DAMAGE/IRRITATION:	May cause eye irritation
RESPIRATORY OR SKIN SENSITISATION:	Not expected to be a sensitiser
GERM CELL MUTAGENICITY:	No evidence of mutagenic activity
CARCINOGENICITY:	Not carcinogenic in animal studies
REPRODUCTIVE TOXICITY:	Not expected to impair fertility
SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE:	May cause drowsiness or dizziness. Inhalation of vapours or mists may cause irritation to the lungs and respiratory system
SPECIFIC TARGET ORGANTOXICITY (STOT) - REPEATED EXPOSURE:	May cause damage to organs or organ systems through prolonged or repeated exposure. Toxic to liver and kidneys
ASPIRATION HAZARD:	Not considered an aspiration hazard

## 12. ECOLOGICAL INFORMATION

ECOTOXICITY:	
ACUTE TOXICITY:	Fish – Low toxicity: LC/EC/IC50 > 100mg/l Aquatic invertebrate – Low toxicity: LC/EC/IC50 > 100mg/l Algae – Low toxicity: LC/EC/IC50 > 100mg/l Microorganisms – Low toxicity: LC/EC/IC50 > 100mg/l
CHRONIC TOXICITY:	Fish – NOEC/NOEL > 100mg/l Aquatic invertebrate – NOEC/NOEL > 100mg/l Algae – No data available Microorganisms – No data available
PERSISTENCE AND DEGRADABILITY:	Biodegradable.
BIOACCUMULATIVE POTENTIAL:	Does not bioaccumulate significantly.
MOBILITY IN SOIL:	Dissolves in water. If product enters soil, one or more constituents will be mobile and may contaminate groundwater.
OTHER ADVERSE EFFECTS:	No data available.



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## 13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATION: Ensure waste disposal conforms to local waste disposal regulations.

## 14. TRANSPORT INFORMATION

ROAD & RAIL TRANSPORT:

ADG REQUIREMENT

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

MARITIME TRANSPORT:

IMO/IMDG REQUIREMENT

Not classified as a Dangerous Good according to the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT:

ICAO/IATA REQUIREMENT

Not classified as a Dangerous Good according to the criteria of the International Maritime Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## 15. REGULATORY INFORMATION

POISON SCHEDULE: S5

PACKING & LABELLING: No special packaging or labelling requirements.

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.

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





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## 16. OTHER INFORMATION (CONT)

LITERATURE REFERENCES:

- \* 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
- \* MSDS of component materials.

LAST CHANGE:

Supersedes document issued: 13 January 2017.

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

MR126030/1

END OF SDS



AUSTRALIAN FAMILY OWNED SINCE 1989

