



SAFETY DATA SHEET

M-Cool HDD 50%

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1. IDENTIFICATION

GHS Product Identifier

M-Cool HDD HEAVY DUTY DIESEL ENGINE COOLANT CONCENTRATE

Product Code M-CoolHDD-200

Company Name

Monster Lubricants

Address

PO BOX 442 Ramsgate NSW 2217

Telephone/Fax Number

Tel: (02) 9750 8344

Fax: (02) 9750 8744

Emergency phone number

(02) 9750 8344

E-mail Address

info@monsterlubricants.com.au

Recommended use of the chemical and restrictors on use Engine

coolant **Additional Information**

Colours available: Green, Red or Blue

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and labeling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Acute Toxicity □ Oral: Category 4

STOT Repeated Exposure: Category 2

Signal Word (s)

WARNING

Hazard Statement (s)

Harmful if swallowed.

May cause damage to organs (kidneys) through prolonged or repeated exposure. **Pictogram (s)**

Exclamation mark, Health hazard



Precautionary statement – Prevention

Do not breathe dust/fume/gas/mist/vapours/spray. Wash contaminated skin thoroughly after handling

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

Precautionary statement – Response

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell.

Rinse mouth.

Precautionary statement – Disposal

Dispose of contents/container to an approved waste disposal facility.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Monoethylene Glycol	107- 21- 1	90-95 %
Ingredients determined to be non-hazardous at the formulation concentration		to 100%

4. FIRST AID MEASURES

First Aid Measures

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764 766) or a doctor.

Inhalation

Remove victim from area of 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 symptoms persist.

Ingestion

Do NOT induce vomiting. Wash mouth out with water. Give water to drink. Seek medical advice. **Skin**

If skin or hair contact occurs, remove any contaminated clothing and wash skin and hair thoroughly with running water. If irritation occurs seek medical assistance. **Eye**

contact

Hold eyelids open and irrigate continuously with water for 15 minutes. Seek medical advice.

Advice to Doctor

Treat symptomatically. Show this MSDS to the medical practitioner

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Combustible. Use water spray or fog, alcohol stable foam, dry chemical powder or carbon dioxide. **Hazards from**

Combustion Products

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches etc. Decomposes on heating and may produce toxic fumes.

Specific Methods

Keep containers cool with water spray. Fire fighters to wear self contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapors. Contain – prevent runoff into drains and waterways. If contamination of sewers or waterways has occurred advise local emergency services.

Spills & Disposal

Slippery when spilled. Remove all ignition sources. Clean up spills immediately. Collect and seal in properly labeled containers for disposal. Contain spills with inert absorbent material (eg. sand, earth). Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

Personal Protection

Gloves, chemical resistant boots and safety glasses/goggles are recommended. Breathing apparatus may be worn if ventilation is inadequate.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid skin and eye contact and breathing in vapor. Do not allow clothing wet with material to stay in contact with skin. Use in a well ventilated area. Keep away from sources of ignition.

Conditions for safe storage, including any incompatibilities

Combustible liquid. Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use □ check regularly for leaks or build up of pressure. Avoid reactions with oxidising agents, strong acids & strong alkalis.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

No value assigned for this specific material by Safe Work Australia.

Appropriate Engineering Controls

Combustible liquid. Use in well ventilated areas. Keep containers closed when not in use.

Personal Protective Equipment

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

Use with adequate ventilation. If inhalation risk exists wear organic vapor/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated and other protective equipment before storage or reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Appearance

Green, Red or Blue liquid

Odour

slight

Boiling Point

>100°C

Solubility in Water

miscible

Specific Gravity

1.10 □ 1.12

pH

8.0 □ 9.7

Flash Point

116°C (CC) □ Ethylene Glycol

Flammability

Combustible liquid

Flammable Limits □ Lower

3.2% (ethylene glycol vapor in air)

Flammable Limits □ Upper

12.8% (ethylene glycol vapor in air)

10. STABILITY AND REACTIVITY

Chemical Stability

Product considered stable under normal conditions of use.

Incompatible materials

Avoid contact with oxidising agents, strong acids and strong alkalis.

11. TOXICOLOGICAL INFORMATION

Ingestion

Swallowing can result in nausea, vomiting, diarrhea and abdominal pain.

Inhalation

May cause respiratory tract irritation, drowsiness and dizziness. **Skin**

Contact with skin can result in irritation.

Eye

May be an eye irritant.

Chronic Effects

May cause damage to organs through prolonged or repeated exposure. Repeated or prolonged skin contact may cause dermatitis.

The toxic effects of glycols are similar to those of alcohol, with depression of the central nervous system, nausea, vomiting, and degenerative changes in the liver and kidney.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not considered hazardous for the environment based on currently available information.

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Empty containers must be decontaminated and destroyed. Normally suitable for incineration by an approved agent.

14. TRANSPORT INFORMATION

Transport Information

Store away from oxidizing agents. Store in a cool, dry place.

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

U.N. Number

None Allocated

UN proper shipping name

None Allocated

Transport hazard class(es)

None Allocated

15. REGULATORY INFORMATION

Poisons Schedule S6

Australia (AICS)

All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Date of preparation or last revision of SDS Oct 2014

References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Workplace exposure standards, Safe Work Australia.

Hazardous Substances/Chemicals Information System, Safe Work Australia.

Globally Harmonised System of classification and labeling of chemicals. Raw material suppliers' SDS

Other Information

Reason(s) for Issue: GHS Update.

Version: 4

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed.

Never return any unused material to original drum.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writers knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

END OF SDS

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