



Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name: **Fortron HD CLEANER**

Other Names: **HD CLEANER
FIHD200 – 200 litre drum
FIHD20 – 20 litre container**

Recommended Use: HD Cleaner is a powerful water based detergent formulated for effective removal of heavy grease and soil deposits. HD Cleaner is ideal for general clean up operations encountered in kitchen, food preparation, plant, machinery and workshops. Use with care on painted surfaces and be sure to wash off promptly. Not recommended for use on aluminium or galvanised surfaces.

Supplier: Fortron Automotive Treatments Pty Ltd
14-18 Sangiorgio Court, Osborne Park
Perth, Western Australia 6017
ACN 008 872 197 ABN 12 008 872 197

Phone: (618) 9202 7800 (Monday – Friday 8.00am – 5.00pm)
Fax: (618) 9202 7851
www.fortron.com.au

Emergency Telephone No: 0433 088 498

2. HAZARDS IDENTIFICATION:

CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC

Hazard Identification: Corrosive

Risk Phrase: R35 Causes severe burns
R41 Risk of serious damage to eyes

Safety Phrase: S2 Keep out of reach of children
S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre
S37 Wear suitable gloves
S39 Wear eye/face protection

3. COMPOSITION/INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion % w/v</u>
Sodium Hydroxide	1310-73-2	4.5%
Alkaline Salts		<10%
Ethylene Glycol Monobutyl Ether	111-76-2	<10%
Non- Hazardous Components (Surfactants, dye , water)		>60%

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

4. FIRST AID MEASURES:

Swallowed:	If swallowed DO NOT induce vomiting. Rinse or wash out mouth with plenty of water after which if victim is conscious induce copious drinking of water. Seek medical attention. For advice, contact a Poisons Information Centre. Phone Australia 13 1126; New Zealand 03 4747 000 (Not after May 2005) or 0800 764 766; or a doctor (at once).
Eye:	If contact with the eye(s) occurs, immediately hold the eye open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Seek medical advice.
Skin:	Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
Inhaled:	Move patient to fresh air, lie down and rest. If patient is not breathing insure a clear airway and apply artificial resuscitation. If breathing is difficult give oxygen. Seek medical advice immediately.
First Aid Facilities:	Eye wash facilities and normal wash room facilities.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES:

	Non Flammable
Extinguishing Media:	Water fog, foam, dry agent (carbon dioxide, dry chemical powder)
Unusual Fire & Explosion Hazards:	On evaporation of water in product, residue combustible.
Fire Fighting Precautions:	In fire situations keep containers cool with water drench or spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour.
Hazchem Code:	2R



6. ACCIDENTAL RELEASE MEASURES:

Emergency Procedures:

Methods and Materials for

Containment and Clean Up:- Small Spills/Large Spills: Absorb with inert material and dispose of to authorised landfill site. Hose away balance or treat small spillages with copious amounts of water.

7. HANDLING AND STORAGE:

Precautions for Safe Handling: Avoid skin and eye contact. Wear protective clothing. PVC gloves and chemical goggles.

Conditions for Safe Storage: Classified as dangerous goods (class 8) according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Store and transport as for Class 8 goods. Store in a cool place away from foodstuffs and acids. DO NOT store in aluminium or galvanized containers or use die – cast zinc or aluminium bungs. Plastic or steel bungs should be used.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

National Exposure Standards: Not established for this product.

TWA for ethylene glycol mono butyl ether – 25ppm (skin) 121 mgm/m³ as published by NOHSC.

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).

Time-weighted average (TWA) is defined as the concentration of that substance over an eight-hour working shift, and apply to an eight-hour day, for a five-day working week over an entire working lifetime. Short Term Exposure Limits (STEL) and Peak Limitations may also be specified for short periods of exposure such as 15 minutes.

Engineering Controls: Ensure good ventilation when using product to maintain ethylene glycol mono butyl ether concentration below 25 ppm. Vapour is heavier than air.

Personal Protective Equipment: Avoid skin and eye contact. Wear protective clothing. PVC gloves and chemical goggles.

Hygiene Recommendations: Keep an eye wash fountain available.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Thin red liquid
Odour:	Sweet
pH:	14.0
Vapour Pressure:	Not determined
Vapour Density:	Not determined
Boiling Point:	Not determined
Melting Point:	Not determined
Solubility in Water:	Soluble
Specific Gravity:	1.04
Flashpoint:	Not flammable
Flammability Limits:	LEL Not applicable UEL Not applicable
Reactivity with air:	Nil
Reactivity with water:	Nil
Reactivity with oxidisers:	Nil
Reactivity with acids:	Reacts
% Volatile by Volume:	Nil

10. STABILITY AND REACTIVITY:

Chemical Stability:	Not flammable. When stored in a cool area is a stable product and will not deteriorate within a reasonable time.
Conditions to Avoid:	Store apart from acids. Heat and Freezing
Incompatible Materials:	Aluminium,zinc,brass,galvanized and painted surfaces
Hazardous Decomposition Products:	No special requirements.
Hazardous Reactions:	Not flammable.

11. TOXICOLOGICAL INFORMATION:

HUMAN HEALTH HAZARDS - ACUTE

Swallowed:	Corrosive causing burns to mucous membrane of the throat, oesophagus and stomach.
Eye:	Causes burn to eye tissue.
Skin:	Causes burns.
Inhaled:	Inhalation of vapour can cause respiratory irritation and may cause some depression of central nervous system.



12. ECOLOGICAL INFORMATION:

Ecotoxicity: None established for this product.

Persistence and Degradability: None established for this product.

Mobility: None established for this product.

13. DISPOSAL CONSIDERATIONS:

Disposal Methods and Containers: Observe all federal, state and local regulations.

Special Precautions for Landfill or Incineration: No special requirements.

14. TRANSPORT INFORMATION:

UN Number: 1719

UN Proper Shipping Name: Caustic Alkali Liquid, N.O.S

Class and Subsidiary Risk: 8

Packaging Group: II

Special Precaution for user: None Allocated

Hazchem Code: 2R

Poisons Schedule: S6

Hazardous for transport (ADG,UN,IATA/ICAO)

15. REGULATORY INFORMATION:

Classified as Hazardous according to the criteria of Worksafe Australia.

Hazard Identification: Corrosive

Risk Phrase: R35 Causes severe burns
R41 Risk of serious damage to eyes

Safety Phrase: S2 Keep out of reach of children
S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre
S37 Wear suitable gloves
S39 Wear eye/face protection

16. OTHER INFORMATION:

Date of Issue: 24th February, 2009

MSDS Number: MSDS:89

Issue Number: I

Please Note:

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of Fortron Automotive Treatments Pty Ltd's knowledge; However Fortron Automotive Treatments Pty Ltd makes no warranty whatsoever, expressed or implied, or MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. Fortron Automotive Treatments Pty Ltd assumes no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks.

property and recipient assumes all such risks.