

Product Name HEAVY DUTY DEGREASER**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Supplier Name CLEAN PLUS CHEMICALS PTY LTD
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Synonym(s) NOT APPLICABLE • PRODUCT CODE - 395
Use(s) MULTI PURPOSE DEGREASER
SDS Date 24 February 2010 v1
4 July 2012 v2

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC/ASCC CRITERIA

NOT CLASSIFIED AS A DANGEROUS GOODS BY THE CRITERIA OF THE ADG CODE

UN No. None Allocated	DG Class None Allocated	Subsidiary Risk(s)	None Allocated
Packing Group None Allocated	Hazchem Code None Allocated	EPG	None Allocated

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
ETHYLENE GLYCOL MONOBUTYL ETHER	C6-H14-O2	111-76-2	1-10%
EDTA TETRASODIUM SALT	C10-H12-N2-08.4Na	64-02-8	10-30%
NONIONIC & ANIONIC SURFACTANTS	Not Available	Not Available	10-30%
NON HAZARDOUS INGREDIENTS	Not Available	Not Available	Remainder

4. FIRST AID MEASURES

Eye If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poison Information Centre or a doctor, or for at least 15 minutes.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Ingestion For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

Advice to Doctor Treat symptomatically

5. FIRE FIGHTING MEASURES

Flammability Non flammable. May evolve toxic gases when heated to decomposition.

Fire and Explosion Non flammable. Treat as per requirements for Surrounding Fires: Evacuate area and contact emergency services. Remain upwind & notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers & nearby storage areas.

Extinguishing Non flammable. Prevent contamination of drains or waterways.

Hazchem Code None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage If spilt (bulk), wear splash-proof goggles, PVC/rubber gloves a Type A (Organic vapour) respirator (where an inhalation risk exists), coveralls, PVC apron and rubber boots. Ventilate and clear area of all unprotected personnel. Absorb spill with sand or similar and place in sealed containers for disposal. Wash spill site down with water.

7. STORAGE AND HANDLING

Storage Store in cool, dry, well ventilated area, removed from strong oxidising agents, heat sources and foodstuffs. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection. Also store removed from combustible materials and dangerous goods.

Handling Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Stds

Ingredient	Reference	TWA		STEL	
		Ppm	mg/m3	ppm	mg/m3
2-Butoxyethanol (EGBE)	ASCC(AUS)	20.0	96.9	50.0	242.0

Biological Limits No biological limit allocated.

Engineering Do not inhale vapours. Ensure adequate natural ventilation. In poorly ventilated areas, mechanical explosion proof extraction ventilation is recommended.

Controls

PPE Wear splash-proof goggles and PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear: coveralls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance CLEAR YELLOW LIQUID

Solubility (Water)

SOLUBLE

Odour SLIGHT ODOUR

Specific Gravity

1.07 – 1.09

Ph	9.5 - 10.5	Volatiles	NOT AVAILABLE
Vapour Pressure	NOT RELEVANT	Flammability	NON FLAMMABLE
Vapour Density	NOT AVAILABLE	Flash Point	NOT RELEVANT
Boiling Point	100°C (Approximately)	Upper Explosion Limit	NOT RELEVANT
Melting Point	NOT AVAILABLE	Lower Explosion Limit	NOT RELEVANT
Evaporation Rate	NOT AVAILABLE		

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended conditions of storage.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources.
Material to Avoid	Incompatible with oxidising agents (eg.hypochlorites, peroxides), acids (nitric acid), alkalis (hydroxides), heat and ignition sources. Also compatible with combustible materials and dangerous goods.
Decomposition	May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition.
Hazardous Reactions	Polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard	Low to moderate toxicity- Irritant. Use safe work practices to avoid eye or skin contact or vapour inhalation.
Eye	Irritant. Contact may result in irritation, lacrimation, pain, redness.
Inhalation	Irritant. Over exposure may result in mucous membrane and respiratory irritation, nausea, dizziness and headache.
Skin	Irritant. Prolonged or repeated contact may result in redness, itching, pain and rash.
Ingestion	Low to moderate toxicity. Ingestion may result in nausea, vomiting, abdominal pain and diarrhea.
Toxicity Data	ETHYLENE GLYCOL MONOBUTYL ETHER (111-76-2) LC50(Inhalation):700ppm(mouse) LD50(ingestion):300mg/kg(rabbit) LD50(skin):230mg/kg(guinea pig) TCLo(Inhalation):100ppm(human) TDLo(Ingestion):7813uL/kg(woman) EDTA TETRASODIUM SALT (64-02-8) LD50(Intraperitoneal): 330mg/kg (mouse)

12. ECOLOGICAL INFORMATION

Environment	WATER: If released to waterways, alkaline products may change the pH of the waterway. Fish will die if the pH reaches 10-11 (goldfish 10.9, bluegill 10.5) SOIL: May leach to groundwater with toxic effects on aquatic life as above. ATMOSPHERE: Not expected to reside in the atmosphere. Drops or particles released to atmosphere should be removed by gravity and/or be rained out.
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13. DISPOSAL CONSIDERATIONS

Waste Disposal Neutralise with dilute acid (eg 3mol/L Hydrochloric acid) or similar. For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For larger amounts, contact the manufacturer for additional information. Prevent contamination of drains or waterways as aquatic life may be threatened and environmental damage may result.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOODS BY THE CRITERIA OF THE ADG CODE

Shipping Name None allocated

UN No. None allocated

Packing Group None allocated

DG Class None allocated

Hazchem Code None allocated

Subsidiary Risk(s) None Allocated

EPG None allocated

15. REGULATORY INFORMATION

Poison Schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

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

16. OTHER INFORMATION

Additional Information

ABBREVIATIONS:

ADB - Air-Dry Basis.

BEI - Biological Exposure Indice(s)

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

EINECS - European Inventory of Existing Commercial chemical Substances.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m³ - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

NTP - National Toxicology Program.

OSHA - Occupational Safety and Health Administration.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

RTECS - Registry of Toxic Effects of Chemical Substances.

TWA/ES - Time Weighted Average or Exposure Standard.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Clean Plus Chemicals report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Clean Plus Chemicals report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Report Status

This Safety Data Sheet document has been compiled by Clean Plus Chemicals. Further clarification regarding any aspect of this product should contact Clean Plus Chemicals. While Clean Plus Chemicals has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Clean Plus Chemicals accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

End of Report

Prepared By

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