



Material Safety Data Sheet

DETCON 92

1. Identification of the material and supplier

PRODUCT NAME: DETCON 92
OTHER NAMES
RECOMMENDED USE Concentrate for dish wash, carwash, laundry detergent and multi- purpose cleaners.

COMPANY: Cleveland Cleaning Supplies Pty Ltd
ABN: 61 001 175 748
ADDRESS: 23 Forrester Street
Kingsgrove NSW 2208
Australia

BUSINESS TELEPHONE: (02) 9503 0100
1300 760 765 (Australia wide)
BUSINESS HOURS ONLY: 7.30 AM – 5PM (E.S.T.)
FAX: (02) 9503 0199
EMAIL: sales@cleveland.com.au

EMERGENCY TELEPHONE: 000
POISONS INFORMATION CENTRE PHONE 13 11 26
FOR EMERGENCY RESPONSE: 000

2. Hazards identification

DANGEROUS GOODS Classified as NON-HAZARDOUS according to the criteria of NOHSC/ ASCC

RISK PHASES R10 flammable
R36/38 Irritating to eyes and skin

SAFETY PHASES S16 Keep away from sources of ignition - No smoking.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

3. Composition/ information on ingredients

NAME	CAS	PROPORTION
Ethanol	64-17-5	0-10 %
Other ingredients determined to be non hazardous according to NOHSC		
Coconut diethanolamide	61790-63-4	30-60%
Alkanolamine dodecylbenzene sulphonates		30-60 %
Alkyl glycol		0-10 %
Ethoxylated alkyl alcohol	9002-92-0	0-10 %

4. First Aid measures

SWALLOWED Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. If swallowed DO NOT induce vomiting. For advice contact a Poisons information Centre Phone Australia 13 1126 or a doctor.

EYE If in eyes, hold eyelids apart and flush eyes continuously with running water. Continue flushing until advised to stop by the poisons Information Centre or a doctor, or for at least 15 minutes. Obtain medical attention immediately.

SKIN If skin or hair contact occurs, remove contaminated clothing, shoes and leather goods. As quickly as possible, flush contaminated area with lukewarm, gently running water.

INHALED If symptoms are experienced, such as cough, dry throat, difficulty in breathing, nasal congestion and headaches or dizziness remove source of contamination or move victim to fresh air.



Material Safety Data Sheet

DETCON 92

FIRST AID FACILITIES Ensure eyewash and safety shower facilities are available in workplace.

Additional information / Aggravated medical conditions

No Data

5. Fire fighting measures

Suitable extinguishing media

Use carbon dioxide, dry chemical, and foam.
If safe to do so, move undamaged containers from fire area – Do not approach hot containers
Cool containers with water before handling
If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.

The product will decompose in a fire giving off toxic carbon, nitrogen and sulphur oxides.

Special protective precautions and equipment for fire fighters

If large amounts are involved wear SCBA and chemical splash suit.

HAZCHEM CODE 3[Y]

6. Accidental release measures

Wear appropriate personal protective equipment and clothing to avoid exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert non-combustible absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. Handling and storage

PRECAUTIONS FOR SAFE HANDLING

Open containers cautiously as contents may be under pressure. Use only in a well ventilated area. DO NOT store or use in confined spaces. Keep tank covered and containers sealed when not in use. Build up of mists or vapours in the atmosphere must be prevented. Avoid inhalation of vapour and mists, skin or eye contact. Do not use near welding or other ignition sources and avoid sparks. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. Do not smoke. Wear appropriate protection. It is essential that all who come into contact with this material maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

STORAGE REQUIREMENTS

Do not store with strong oxidising agents. Keep containers closed when not in use. Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Always keep in containers made of the same material as the supply container. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all State and Federal regulations.

8. Exposure controls / Personal protection

NATIONAL EXPOSURE STANDARDS



Material Safety Data Sheet

DETCON 92

No exposure standards have been established for this material. Exposure standards recommended by Worksafe Australia for some ingredients are as follow:

	TWA (TIME WEIGHED AVERAGE)	
	mg/m ³	ppm
Ethanol	1000	1880

ENGINEERING CONTROLS Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required.

PERSONAL PROTECTION

RESPIRATOR TYPE Where ventilation is not adequate, respiratory protection may be required. Respiratory protection should comply with AS/NZS 1715.

EYE PROTECTION Safety glasses or chemical goggles. Failure to do so may result in eye damage if an accident occurs.

GLOVE TYPE Chemical resistant gloves provide adequate protection.
CLOTHING Wear protective plastic or PVC apron to prevent contact with clothing.

Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

APPEARANCE	clear amber coloured liquid	
ODOUR	characteristic	
PH	7.5 – 8.0 (1% solution)	
VAPOUR PRESSURE	(kPa at 25°C): 5.8.	
VAPOUR DENSITY	1.6 at 15°C (Air=1)	
BOILING POINT	Not available	
BOILINGRANGE	Not available	
MELTING POINT	Not available	
SOLUBILITY IN WATER	Miscible	
SPECIFIC GRAVITY	1.03 (for liquid concentrate)	water = 1.000
FLASH POINT	(P.M.C.C., °C): 34	
FLAMMABILITY LIMITS	lower 3.5% Upper 19.0%	

10. Stability and reactivity

CHEMICAL STABILITY Stable under normal conditions of storage and handling.
CONDITIONS TO AVOID Heat, direct sunlight, open flames or other sources of ignition
INCOMPATIBLE
MATERIALS Strong oxidising agents.

HAZARDOUS
DECOMPOSITION Thermal decomposition may result in the release of toxic and/or irritating
PRODUCTS fumes including carbon monoxide and carbon dioxide.

11. Toxicological information

Health effects from acute exposure

SWALLOWED Swallowing can cause drunkenness or harmful central nervous system effects. Effects of a small intake may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision and fatigue. Severe acute intoxication may cause hypoglycaemia, hypothermia and extensor rigidity. Other effects may include decreased blood pressure, vomiting blood and blood changes. Aspiration into the lungs may cause pneumonitis.

EYE May be irritating to eyes. On eye contact this product may cause tearing, stinging, blurred vision, and redness.

INHALED May cause irritation to the respiratory tract and mucous membranes. Inhalation of the vapour may result in headache, nausea and vomiting. High concentrations may cause central nervous system symptoms similar to 'swallowed' above.



Material Safety Data Sheet

DETCON 92

SKIN May cause redness, itching and irritation

Health effects from chronic exposure

Prolonged or repeated contact may cause dermatitis. Long term exposure by swallowing or repeated inhalation may cause degenerative changes in the liver, kidney, gastrointestinal tract and heart muscle.

Toxicology Information There is no information available for this product. However, values for Ethanol are as follows:
LD50 (Oral, Rat): 7060 mg/kg
LD50 (Oral, Rabbit): 6300 mg/kg
LC50 (Inhalation, Rat): 20000 ppm/10h

12. Ecological information

All ingredients of the product are 80% biodegradable as defined by AS 1792.

13. Disposal considerations

Disposal: Review federal, state and local government requirements prior to disposal.

14. Transport information

UN CLASS 1993
PROPER SHIPPING NAME FLAMMABLE LIQUID, N.O.S. - (CONTAINS METHYLATED SPIRITS)
DG CLASS 3
SUBSIDIARY RISK None allocated
PACKAGING GROUP III
RECOMMENDED USE Base for dish wash, carwash, laundry detergent and multi- purpose cleaners
TRANSPORTATION Australia:
-Flammable liquids shall not be loaded in the same vehicle or packed in the same freight container with:
- Class 1, Explosive
- Class 2.1, Flammable Gas, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gas
- Class 4.2, Spontaneously Combustible Substance
- Class 5.1, Oxidising Agent
- Class 5.2, Organic Peroxide
- Class 6.1, Toxic and Class 6.2 Infectious Substances, if the Class 3 dangerous goods are nitromethane
- Class 7, Radioactive Substance

15 Regulatory information

POISONS SCHEDULE Not Applicable

16. Other information

Produced by: Cleveland Cleaning Supplies Pty Ltd
Revised : January 2012
Issue: C

DATE OF PREPARATION: 01 January, 2012

© This document is the property of Cleveland Cleaning Supplies Pty Ltd. Alteration is not allowed without written permission of Cleveland Cleaning Supplies Pty Ltd.

Users should verify the currency of this data sheet if more than 5 years old. The information contained in this material safety data sheet is believed to be accurate on the date of issue and in accordance with the information available to us. Persons dealing with products referred to in this MSDS do so at their own risk. We accept no liability whatsoever for damage or injury however caused arising from use of this information or of suggestions contained herein.

END OF REPORT