



Material Safety Data Sheet

DUADET

1. Identification of the material and supplier

PRODUCT NAME: DUADET
OTHER NAMES
RECOMMENDED USE Hospital Sanitizer Detergent
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FOR EMERGENCY RESPONSE: 000

2. Hazards identification

DANGEROUS GOODS HAZARDOUS SUBSTANCE
RISK PHASES Xi IRRITANT
R36/38 Irritating to eyes and skin.
SAFETY PHASES S26 In case of contact with the eyes, rinse immediately with plenty of
Water and seek medical advice.
S36/37/38 Irritating to eyes, respiratory system and skin.
S 45 In case of accident or if you feel unwell, seek medical advice immediately
(show the label where possible).

3. Composition/ information on ingredients

<u>NAME</u>	<u>CAS</u>	<u>PROPORTION</u>
Potassium Hydroxide	1310-58-3	<10%

The ingredients below are **not** considered hazardous or dangerous goods according to the criteria of NOHSC / ASCC and ADG code (respectively) at the levels used in this product.

Other ingredients determined not to be hazardous	>10% -<30%
WATER	7732-18-5 >60%

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 Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes, by the clock, holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. 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.

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



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Additional information / Aggravated medical conditions
No known effect

5. Fire fighting measures

Suitable extinguishing media

NON FLAMMABLE
Large fire
Use water spray and fog
Fight fire from protected position or use unmanned hose holders or monitor nozzles.
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.

Special protective precautions and equipment for fire fighters

Wear SCBA and protective gloves. Structural fire-fighters uniform provides limited protection. If large amounts are involved wear SCBA and chemical splash suit.

HAZCHEM CODE 2R

6. Accidental release measures

Restrict access to area until completion of clean up. Ensure clean up is conducted by trained personnel only. Wear protective clothing including facemask, face shield and gauntlets. Prevent material from entering sewers or confined spaces. Stop or reduce leak if safe to do so. Contain spill with earth, sand or inert absorbent material. Small spills of solution: soak up with absorbent material. Put material in suitable, covered, labelled containers. Flush area with water preventing runoff entering drains. Large spills: contact fire and emergency services for advice.
Disposal: review federal, state and local government requirements prior to disposal.

7. Handling and storage

STORAGE INCOMPATIBILITY

Avoid storage with Acids. Corrosive to soft metals such as aluminium and zinc. Incompatible with acids.

STORAGE REQUIREMENTS

Keep out of reach of children
Keep locked up
Store away from incompatible materials.
Avoid storage at temperatures higher than 30°C
Protect containers against physical damage and check regularly for leaks

8. Exposure controls / Personal protection

NATIONAL EXPOSURE STANDARDS

No exposure standards have been established for this material. Exposure standards recommended by A.S.C.C. Australia for some ingredients are as follows:

	TWA (TIME WEIGHED AVERAGE)	
	mg/m ³	ppm
Potassium Hydroxide	2 (Peak limitation)	

ENGINEERING CONTROLS Use in well ventilated areas.

PERSONAL PROTECTION

RESPIRATOR TYPE

Where ventilation is not adequate, respiratory protection may be required. An approved dust particle half mask should be used. 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
CLOTHING

Chemical resistant gloves provide adequate protection.
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.



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9. Physical and chemical properties

APPEARANCE	Brown Liquid
ODOUR	Practically odourless
PH	13.9
VAPOUR PRESSURE	Not Determined
VAPOUR DENSITY	Not Determined
BOILING POINT	Approximately 100°C (for liquid concentrate)
BOILINGRANGE	Not available
MELTING POINT	Not available
SOLUBILITY IN WATER	Miscible
SPECIFIC GRAVITY	1.05 water = 1.000
FLASH POINT	Non Flammable
FLAMMABILITY LIMITS	Not applicable

10. Stability and reactivity

Stable under normal conditions of storage and use

11. Toxicological information

Health effects from acute exposure

SWALLOWED	Corrosive. Can cause damage to throat, lungs and stomach.
EYE	Corrosive and may cause severe or permanent eye damage, Concentrated solutions can cause severe irritation and corrosion injury unless washed out immediately
SKIN	Irritating to skin. Brief contact may cause redness. Repeated or prolonged contact may result in corrosion.
INHALED	Can be irritating to the nose, throat and upper respiratory tract.

Health effects from chronic exposure

Prolonged or repeated contact may cause dermatitis. No other specific data is available for the product for chronic exposure symptoms.

12. Ecological information

No Data

13. Disposal considerations

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

14. Transport information

UN CLASS	1719
PROPER SHIPPING NAME	Caustic Alkali Liquid, N.O.S
DG CLASS	8
SUBSIDIARY RISK	none allocated
PACKAGING GROUP	III
RECOMMENDED USE	Detergent

15 Regulatory information

POISONS SCHEDULE 6

16. Other information

Produced by: Cleveland Cleaning Supplies Pty Ltd

Revised : January 2012

Issue: D

DATE OF PREPARATION: 01 January, 2012

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END OF REPORT