



SAFETY DATA SHEET

Product Name **SUMA MULTI CONC D2**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name DIVERSEY AUSTRALIA PTY. LIMITED
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Web Site www.diversey.com
Synonym(s) ALL PACK SIZES
Use(s) ALL PURPOSE CLEANER · CONCENTRATE
SDS Date 21 February 2012

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

RISK PHRASES

R22 Harmful if swallowed.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.

SAFETY PHRASES

S24 Avoid contact with skin.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28 After contact with skin, wash immediately with plenty of water.

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

| | | | |
|----------------------|----------------|---------------------------|----------------|
| UN Number | None Allocated | DG Class | None Allocated |
| Packing Group | None Allocated | Subsidiary Risk(s) | None Allocated |
| Hazchem Code | None Allocated | | |

3. COMPOSITION/ INFORMATION ON INGREDIENTS

| Ingredient | Formula | Cas No. | Content |
|---------------------------|---------------|---------------|-----------|
| ETHANOLAMINE | C2-H7-N-O | 141-43-5 | <10% |
| ALCOHOL ETHOXYLATE(S) | Not Available | Not Available | 30 - 60% |
| NON HAZARDOUS INGREDIENTS | Not Available | Not Available | Remainder |

4. FIRST AID MEASURES

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

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

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 a Poisons Information Centre or a doctor.

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| 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. |
| First Aid Facilities | Eye wash facilities and safety shower should be available. |

5. FIRE FIGHTING MEASURES

| | |
|---------------------------|---|
| Flammability | Non flammable. May evolve toxic gases (carbon/ nitrogen oxides, hydrocarbons) when heated to decomposition. |
| Fire and Explosion | Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas. |
| Extinguishing | Prevent contamination of drains or waterways. |
| Hazchem Code | None Allocated |

6. ACCIDENTAL RELEASE MEASURES

| | |
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| Spillage | Contact emergency services where appropriate. Use personal protective equipment. Clear area of all unprotected personnel. Ventilate area where possible. Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. |
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7. STORAGE AND HANDLING

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| Storage | Store in a cool, dry, well ventilated area, removed from oxidising agents, acids, nitrites, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. |
| 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 Standards

| Ingredient | Reference | TWA | | STEL | |
|--------------|-----------|-----|-------------------|------|-------------------|
| | | ppm | mg/m ³ | ppm | mg/m ³ |
| Ethanolamine | SWA (AUS) | 3 | 7.5 | 6 | 15 |

| | |
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| Biological Limits | No biological limit allocated. |
| Engineering Controls | Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard. |
| PPE | |
| Eye / Face | Wear safety glasses or splash-proof goggles. |
| Hands | Wear PVC or rubber gloves. |
| Body | Not required under normal conditions of use. |
| Respiratory | Not required under normal conditions of use. |



9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------|------------------------|
| Appearance | CLEAR DARK BLUE LIQUID |
|-------------------|------------------------|

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| Odour | CHARACTERISTIC ODOUR |
| Flammability | NON FLAMMABLE |
| Flash point | NOT RELEVANT |
| Boiling point | 100°C (Approximately) |
| Melting point | NOT AVAILABLE |
| Evaporation rate | NOT AVAILABLE |
| pH | 10.8 to 11.6 |
| Vapour density | NOT AVAILABLE |
| Specific gravity | 1.04 to 1.05 |
| Solubility (water) | SOLUBLE |
| Vapour pressure | NOT AVAILABLE |
| Upper explosion limit | NOT RELEVANT |
| Lower explosion limit | NOT RELEVANT |
| Autoignition temperature | NOT AVAILABLE |
| Decomposition temperature | NOT AVAILABLE |
| Viscosity | NOT AVAILABLE |
| Partition coefficient | NOT AVAILABLE |
| % Volatiles | NOT AVAILABLE |

10. STABILITY AND REACTIVITY

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| 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), acids (eg. nitric acid), nitrites, heat and ignition sources. |
| Hazardous Decomposition Products | May evolve toxic gases (carbon/ nitrogen oxides, hydrocarbons) when heated to decomposition. |
| Hazardous Reactions | Polymerization will not occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|------------------------------|---|
| Health Hazard Summary | Use safe work practices to avoid eye or skin contact and inhalation. Ethanolamine is irritating to eyes, skin, and the respiratory tract. Over exposure may result in CNS depression and liver/kidney damage. Persons suffering from asthma, pre-existing skin disorders, or impaired liver, kidney, or pulmonary function may be more susceptible to the effects of exposure. |
| Eye | Contact may result in irritation, lacrimation, pain and redness. May result in burns with prolonged contact. |
| Inhalation | Over exposure may result in irritation of the nose and throat, coughing and headache. High level exposure may result in dizziness, nausea and drowsiness. Chronic exposure may result in kidney, liver and CNS damage. |
| Skin | Contact may result in drying and defatting of the skin, rash and dermatitis. |
| Ingestion | Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, dizziness and drowsiness. |
| Toxicity Data | ETHANOLAMINE (141-43-5) LD50 (ingestion) 620 mg/kg (guinea pig) LD50 (intramuscular) 1750 mg/kg (rat) LD50 (intraperitoneal) 50 mg/kg (mouse) LD50 (intravenous) 225 mg/kg (rat) LD50 (skin) 1 mL/kg (rabbit) LD50 (subcutaneous) 1500 mg/kg (rat) |

12. ECOLOGICAL INFORMATION

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|----------------------------------|--|
| Environment | Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment. |
| Ecotoxicity | Not expected to be dangerous to the aquatic environment. |
| Persistence/Degradability | Limited information was available at the time of this review. |
| Mobility | Limited information was available at the time of this review. |

13. DISPOSAL CONSIDERATIONS

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| Waste Disposal | For small quantities, add to a tray of sodium bisulphate. Neutralise and discharge to sewer with large excess of water. Contact the manufacturer for additional information if larger amounts are involved. |
| Legislation | Dispose of in accordance with relevant local legislation. |

14. TRANSPORT INFORMATION

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

| | LAND TRANSPORT (ADG) | SEA TRANSPORT (IMDG / IMO) | AIR TRANSPORT (IATA / ICAO) |
|-----------------------------|---------------------------------|---------------------------------------|--|
| UN Number | None Allocated | None Allocated | None Allocated |
| Proper Shipping Name | None Allocated | None Allocated | None Allocated |
| DG Class/ Division | None Allocated | None Allocated | None Allocated |
| Subsidiary Risk(s) | None Allocated | None Allocated | None Allocated |
| Packing Group | None Allocated | None Allocated | None Allocated |
| Hazchem Code | None Allocated | | |

15. REGULATORY INFORMATION

| | |
|-----------------------------|---|
| Poison Schedule | Classified as a Schedule 5 (S5) Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). |
| Inventory Listing(s) | AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt. |

16. OTHER INFORMATION

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| Additional Information | <p>The typical in-use concentration of 1%v/v (5mL D2 Concentrate/500mL water) of this solution is not classified as hazardous according to criteria of NOHSC Australia.</p> <p>AMINE: CAUTION THIS PRODUCT CONTAINS AN AMINE. DO NOT ADD NITRITES or other NITROSATING AGENTS to this product due to the potential for NITROSAMINE formation. Nitrosamines are potent carcinogens and some have been shown to cause severe acute (heart, brain, blood, liver - kidney) damage as well as chronic effects (reproductive effects, liver - lung and kidney tumours).</p> <p>RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.</p> <p>EXPOSURE STANDARDS - TIME WEIGHTED AVERAGE (TWA) or WES (WORKPLACE EXPOSURE STANDARD) (NZ): Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).</p> <p>PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this ChemAlert 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.</p> |
|-------------------------------|---|

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 ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations

| | |
|-------------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS # | Chemical Abstract Service number - used to uniquely identify chemical compounds |
| CNS | Central Nervous System |
| EC No. | EC No - European Community Number |
| GHS | Globally Harmonized System |
| IARC | International Agency for Research on Cancer |
| mg/m ³ | Milligrams per Cubic Metre |
| PEL | Permissible Exposure Limit |
| pH | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm | Parts Per Million |
| REACH | Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals |
| STOT-RE | Specific target organ toxicity (repeated exposure) |
| STOT-SE | Specific target organ toxicity (single exposure) |
| SUSMP | Standard for the Uniform Scheduling of Medicines and Poisons |
| TLV | Threshold Limit Value |
| TWA/OEL | Time Weighted Average or Occupational Exposure Limit |

Revision History

| Revision | Description |
|----------|---------------------|
| 1.1 | Standard SDS Review |
| 1.0 | Standard SDS Review |

Report Status

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT 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, RMT 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.

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End of SDS