



## MATERIAL SAFETY DATA SHEET

Product Name **MULTI-PURPOSE CLEANER DEGREASER (SMART DOSE)**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier Name** DIVERSEY AUSTRALIA PTY. LIMITED  
**Address** 29 Chifley St, Smithfield, NSW, AUSTRALIA, 2164  
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**Fax** (02) 9725 5767  
**Emergency** 1800 033 111 (24 hrs)  
**Email** aucustserv@diversey.com  
**Web Site** <http://www.diversey.com>  
**Synonym(s)** ALL PACK SIZES  
**Use(s)** MULTIPURPOSE CLEANER  
**SDS Date** 22 Nov 2011

### 2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

#### RISK PHRASES

R41 Risk of serious damage to eyes.

#### SAFETY PHRASES

S2 Keep out of reach of children.  
S24/25 Avoid contact with skin and eyes.  
S39 Wear eye/face protection.

NOT CLASSIFIED AS A DANGEROUS GOOD 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

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
PROPYLENE GLYCOL (PROPANE-1,2-DIOL)	C3-H8-O2	57-55-6	10-20%
COCOAMIDOPROPYL BETAINE	Not Available	61789-40-0	<10%
LAURYL DIMETHYLAMINE OXIDE	C14H31NO	1643-20-5	<10%
NON HAZARDOUS INGREDIENTS	Not Available	Not Available	remainder

#### 4. FIRST AID MEASURES

<b>Eye</b>	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.
<b>Inhalation</b>	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
<b>Ingestion</b>	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once).
<b>Special treatment</b>	Treat symptomatically.
<b>First aid facilities</b>	Eye wash facilities and safety shower should be available.

#### 5. FIRE FIGHTING MEASURES

<b>Special hazards</b>	Non flammable. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.
<b>Advice for firefighters</b>	Treat as per requirements for Surrounding Fires: Evacuate area and contact emergency services. 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.
<b>Extinguishing media</b>	Prevent contamination of drains or waterways.
<b>Hazchem Code</b>	None Allocated

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Spillage</b>	Use personal protective equipment. Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. CAUTION: Spill site may be slippery.
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#### 7. STORAGE AND HANDLING

<b>Storage</b>	Store in a cool, dry, well ventilated area, removed from oxidising agents, acids, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate ventilation systems.
<b>Precautions for safe handling</b>	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	
Propane-1,2-diol (particulates only)	SWA (AUS)	--	10 mg/m <sup>3</sup>	--	--
Propane-1,2-diol (total vapour & particulates)	SWA (AUS)	150 ppm	474 mg/m <sup>3</sup>	--	--

<b>Biological Limits</b>	No biological limit allocated.
<b>Engineering Controls</b>	Avoid inhalation. Use in well ventilated areas.
<b>PPE</b>	Wear splash-proof goggles and PVC or rubber gloves.



#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	CLEAR GREEN BLUE LIQUID	<b>Solubility (water)</b>	SOLUBLE
<b>Odour</b>	SURFACTANT ODOUR	<b>Specific Gravity</b>	1.021
<b>pH</b>	7.7 (Neat); 7.2 @ 1:236	<b>% Volatiles</b>	NOT AVAILABLE

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<b>Vapour Pressure</b>	NOT AVAILABLE	<b>Flammability</b>	NON FLAMMABLE
<b>Vapour Density</b>	NOT AVAILABLE	<b>Flash Point</b>	NOT RELEVANT
<b>Boiling Point</b>	NOT AVAILABLE	<b>Upper Explosion Limit</b>	NOT RELEVANT
<b>Melting Point</b>	NOT AVAILABLE	<b>Lower Explosion Limit</b>	NOT RELEVANT
<b>Evaporation Rate</b>	NOT AVAILABLE		
<b>Autoignition Temperature</b>	NOT AVAILABLE	<b>Decomposition Temperature</b>	NOT AVAILABLE
<b>Partition Coefficient</b>	NOT AVAILABLE	<b>Viscosity</b>	NOT AVAILABLE
<b>VOC</b>	0.44 %		

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## 10. STABILITY AND REACTIVITY

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<b>Chemical stability</b>	Stable under recommended conditions of storage.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources.
<b>Material to Avoid</b>	Incompatible with oxidising agents (eg. hypochlorites) and acids (eg. nitric acid).
<b>Hazardous Decomposition Products</b>	May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.
<b>Hazardous Reactions</b>	Polymerization is not expected to occur.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Health hazard summary</b>	Use safe work practices to avoid eye or skin contact and inhalation. Over exposure may result in irritation.
<b>Eye</b>	Contact may result in irritation, lacrimation, pain and redness. Risk of serious damage to eyes.
<b>Inhalation</b>	Over exposure may result in irritation of the nose and throat, with coughing. Due to the low vapour pressure, an inhalation hazard is not anticipated with normal use.
<b>Skin</b>	Prolonged or repeated contact may result in mild irritation, rash and dermatitis.
<b>Ingestion</b>	Ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation.
<b>Toxicity Data</b>	PROPYLENE GLYCOL (PROPANE-1,2-DIOL) (57-55-6) LD50 (Ingestion): > 2080 mg/kg (quail) LD50 (Intraperitoneal): 6660 mg/kg LD50 (Intravenous): 2600 mg/kg (dog) LD50 (Skin): 20800 mg/kg (rabbit) LD50 (Subcutaneous): 17370 mg/kg (mouse) LDLo (Intramuscular): 6300 mg/kg (rabbit) LDLo (Subcutaneous): 15500 mg/kg (guinea pig) TDLo (Ingestion): 79 g/kg/56 weeks intermittently (child) LAURYL DIMETHYLAMINE OXIDE (1643-20-5) LD50 (Ingestion): 2700 mg/kg (mouse); 1000 mg/kg (rat) LD50 (Intraperitoneal): 271 mg/kg (rat) LD50 (Skin): 3 ml/kg (mouse)

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## 12. ECOLOGICAL INFORMATION

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<b>Other adverse effects</b>	This product is not anticipated to cause adverse effects to animal or plant life if released to the environment in small quantities, however larger quantities may cause foaming of waterways with adverse effects on aquatic life. At high levels, may dissolve oils on bird feathers with potential for bird to drown. Not expected to bioaccumulate.
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## 13. DISPOSAL CONSIDERATIONS

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<b>Waste disposal</b>	For small amounts absorb with cleaning rags and dispose of to refuse. For large amounts, absorb with sand or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information.
<b>Legislation</b>	Dispose of in accordance with relevant local legislation.

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## 14. TRANSPORT INFORMATION

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**Product Name**      **MULTI-PURPOSE CLEANER DEGREASER (SMART DOSE)**

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

<b>Shipping Name</b>	None Allocated			
<b>UN No.</b>	None Allocated	<b>DG Class</b>	None Allocated	<b>Subsidiary Risk(s)</b> None Allocated
<b>Packing Group</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	

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**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).

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**16. OTHER INFORMATION**

**Additional Information**      **ABBREVIATIONS:**  
ACGIH - American Conference of Industrial Hygienists.  
ADG - Australian Dangerous Goods.  
BEI - Biological Exposure Indice(s).  
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.  
CNS - Central Nervous System.  
EC No - European Community Number.  
HSNO - Hazardous Substances and New Organisms.  
IARC - International Agency for Research on Cancer.  
mg/m<sup>3</sup> - Milligrams per Cubic Metre.  
NOS - Not Otherwise Specified.  
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.  
STEL - Short Term Exposure Limit.  
SWA - Safe Work Australia.  
TWA - Time Weighted Average.

**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.

**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.

**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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SDS Date 22 Nov 2011

**End of Report**