

# MATERIAL SAFETY DATA SHEET



Unilever Australasia  
219 North Rocks Road  
North Rocks NSW  
Australia 2151  
486 Jackson Street  
Petone New Zealand

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### DOVE ANTIPERSPIRANT AEROSOL

Product Name/s:	Variant/s	Manufacturer's Product Codes	
		Formula Code:	Finished Goods Code:
Dove Antiperspirant Deodorant	Original 100g	61829603	61619041
Dove Antiperspirant Deodorant	Original 30g	61829603	61622191
Dove Antiperspirant Deodorant	Silk	61870302	61613381
Dove Antiperspirant Deodorant	Go Fresh – Grapefruit & Lemongrass Scent	61884901	61620951
Dove Antiperspirant Deodorant	Go Fresh – Cucumber and Green Tea Scent	61884701	61620901
Dove Antiperspirant Deodorant	Go Fresh – Nectarine and White Ginger	61899701	61625431
Dove Antiperspirant Deodorant	Clear Touch	61881301	61618251
Dove Antiperspirant Deodorant	Pink	61878902	61616811

Recommended Use: Cosmetic antiperspirant aerosol product  
Supplier: Unilever Australasia Limited  
20 Cambridge Street, Epping NSW 2121 Australia Unilever Australasia Limited.  
486 Jackson Street, Petone 5012, New Zealand.  
Telephone: +61 2 9869 6100(AUS) +64 4 5666949(NZ)  
Facsimile: +61 2 98696150(AUS) +64 4 5683396(NZ)  
Consumer Relations Department: 1800 888 449 Australia  
0800 900 029 New Zealand  
131126 Australia  
Poisons Information Centre- 24 hours: 764 766 New Zealand  
Website [www.unilever.com.au](http://www.unilever.com.au) [www.unilever.co.nz](http://www.unilever.co.nz)

## 2. HAZARDS IDENTIFICATION

**NON HAZARDOUS SUBSTANCE – DANGEROUS GOOD**

# MATERIAL SAFETY DATA SHEET



Unilever Australasia  
219 North Rocks Road  
North Rocks NSW  
Australia 2151  
486 Jackson Street  
Petone New Zealand

Hazard Classification:

**Classified as a Non hazardous substance according to NOHSC criteria.**

**Classified as a Dangerous Good Class 2.1 Flammable Gas according to the Australian Dangerous Goods Code.**

Contents under pressure. Store below 50°C, out of sunlight and away from heat sources. Do not puncture or incinerate. Avoid contact with eyes. Vapour harmful. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Use in well ventilated places, avoid prolonged spraying.

Risk Phrase(s):

F+: Extremely Flammable.

R12: Extremely Flammable.

Safety Phrase(s):

S2: Keep out of the reach of children.

S7: Keep container tightly closed.

S9: Keep container in a well ventilated area.

S16: Keep away from sources of ignition-No Smoking.

S33 Take precautionary measures against static discharges.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S47 Keep at temperatures not exceeding 50°C.

S53 Avoid exposure- obtain special instructions before use.

2.1.2A, 9.1D

HSNO Class:

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical identity of ingredients

Ingredient	CAS No.	Proportion %
n-Butane	106-97-8	30 - 60
Isobutane	75-28-5	10-30
Propane	74-98-6	10-30
Cyclopentasiloxane	541-02-6	<30
Aluminium Chlorohydrate	12042-91-0	<30
Fragrance	-	<10
Other ingredients determined not to be hazardous		to 100

## 4. FIRST AID MEASURES

General Advice:

If poisoning occurs contact a doctor or Poisons Information Centre. Phone 131126 from anywhere in Australia or 0800 764 766 in New Zealand.

Ingestion:

For an aerosol this route is unlikely. However if swallowed do not induce vomiting. Give one or two glasses of water. Rinse mouth

# MATERIAL SAFETY DATA SHEET



Unilever Australasia  
219 North Rocks Road  
North Rocks NSW  
Australia 2151  
486 Jackson Street  
Petone New Zealand

	with water. Seek medical attention immediately. May cause irritation of the gastrointestinal tract. Depression of the central nervous system may result in headache or dizziness.
Eye Contact:	Rinse abundantly under flowing water for at least 15 minutes. If irritation develops seek medical attention. Splashes in the eye may cause immediate stinging and tears. Transient redness of the eye may also occur.
Skin Contact:	In case of skin contact, if irritation develops immediately wash off with plenty of soap and water for at least 15 minutes. If irritation persists seek medical attention immediately.
Inhalation:	If symptoms are experienced, remove source of contamination and move victim to fresh air immediately. If symptoms persist, seek medical attention. At relatively high vapour concentrations ethyl alcohol is an irritant to the nose and throat and may cause central nervous system depression.
Advice to Doctor:	Treat symptomatically.

## 5. FIREFIGHTING MEASURES

Suitable Extinguishing Media:	Highly flammable. In case of fire, all extinguishing media are suitable. For safety reasons do not use strong water jets.
Hazards from Combustion Products	May produce toxic fumes of carbon and nitrogen oxides. Also aluminium oxides and chlorine compounds.
Precautions for Fire Fighters and Special Protective Equipment:	If in the event of fire wear self-contained breathing apparatus. Use personal protective equipment. Keep containers cool with water spray. Closed containers may rupture when exposed to temperatures greater than 50°C. Vapour is heavier than air, distant ignition sources possible.
Hazchem Code:	2YE

## 6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	UN No: 1950. Wear appropriate protective equipment. Spills will be slippery and highly flammable.
Methods and Materials for Containment and Clean Up Procedures:	Remove possible leaking containers. Remove all sources and ventilate area. Dilute small spills with water. For larger spills, wear protective equipment, dilute with water and absorb in inert material (sand or vermiculite). For major spills of bulk product, may be ignited by heat, sparks or flames. ELIMINATE all ignition sources within at least 25 metres. All equipment used when handling this product should be earthed. Use flameproof equipment. Dyke large spills for later disposal. Use clean non sparking tools to collect absorbed material in plastic containers.

# MATERIAL SAFETY DATA SHEET



Unilever Australasia  
219 North Rocks Road  
North Rocks NSW  
Australia 2151  
486 Jackson Street  
Petone New Zealand

Dispose of material in compliance with federal, state and local regulations. Dilute the spill area with mild detergent to remove residue. Do not allow the material to enter drains or waterways.

## 7. HANDLING AND STORAGE

Precautions for Safe Handling:

This product is a Class 2.1 Aerosol and should be transported and stored according to Dangerous Goods Regulations, Codes and Standards. Store below 50°C and above freezing.

Avoid contact with eyes.

Keep away from heat, flame or ignition source. Do not eat, drink or smoke in handling areas.

Conditions for Safe Storage:

Store product upright in a cool place and out of direct sunlight. Store away from alkalis, corrosive and oxidising products. Use good personal hygiene practices. Store in accordance with Dangerous Goods Regulations and transport in accordance with ADG Code for Dangerous Goods Class 2.1.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Occupational Exposure Standards:

ES-TWA (NOHSC Australian Exposure Standards)<sup>1</sup>  
Workplace Exposure Standards (NZ OS&HS Dept of Labour)<sup>2</sup>

Chemical Name	CAS No.	TWA (ppm)	TWA (mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )
Cyclopentasiloxane <sup>3</sup>	541-02-6	10	-	-	-
n-Butane <sup>1,2</sup>	106-97-8	800	1900	-	-
Isobutane <sup>1,2</sup>	75-28-5	-	-	-	-
Propane <sup>1,2</sup>	74-98-6	*	*	*	*
Aluminium Soluble Salts <sup>1,2</sup>	7429-90-5	-	2	-	-

TWA = Time-weighted average exposure standard

STEL = Short term exposure limit exposure standard

1 National Occupational Health and Safety Commission .Exposure Standards for Atmospheric Contaminants in the Occupational Environment. National Exposure Standards [NOHSC: 1003 (1995)]. May 1995.

2 Workplace Exposure Standards (NZ OS& HS Dept of Labour)

3 Dow Corning Recommendation

\* Asphyxiant (18% minimum oxygen content of air)

Biological Limit Values:  
Engineering Controls:

No biological limit allocated.

Use in a well ventilated area. Install safety showers and eyewash stations.

Personal protection equipment:

Avoid excessive inhalation. If ventilation is insufficient, a suitable respirator should be worn. Gloves (vinyl, plastic or rubber) may be worn when handling this product. It is recommended that protective clothing is worn eg aprons (vinyl plastic or rubber) and safety shoes. Eye protection in the form of tightly fitting safety goggles and /or face shield should be worn.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

# MATERIAL SAFETY DATA SHEET



Unilever Australasia  
219 North Rocks Road  
North Rocks NSW  
Australia 2151  
486 Jackson Street  
Petone New Zealand

Form/Colour:	White to pale yellow.
Odour:	Characteristic odour.
pH (20°C):	Not Determined
Vapour Pressure(20°C):	290-340 kPa.
Boiling Point (°C):	-12.
Melting Point (°C):	Not Determined.
Solubility in Water (mg/L):	Not Soluble.
Specific Gravity (25°C) :	599 kg/m <sup>3</sup> .
Flash Point (°C):	-60.
Upper and Lower Flammability Limits in Air (%):	9.6% and 1.5%.
Autoignition Temp (°C):	423-600.
Viscosity mPs (20°C):	Not Determined

## 10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions of handling, use and transportation.
Conditions to Avoid:	Avoid heat, sparks and flames. Avoid any sources of ignition.
Incompatible Materials:	Keep away from strong oxidising agents alkalis and corrosive substances.
Hazardous Decomposition Products:	Decomposition will not occur.
Hazardous Reactions:	None known

## 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	Not Available. No particular hazards.
Acute Dermal Toxicity:	Not Available.
Skin Irritation:	Not Available.

# MATERIAL SAFETY DATA SHEET



Unilever Australasia  
219 North Rocks Road  
North Rocks NSW  
Australia 2151  
486 Jackson Street  
Petone New Zealand

Skin Sensitisation:	Unlikely to cause skin sensitisation.
Eye Irritation:	Irritant to eyes. However splashes in the eye may cause stinging sensation and irritation and should be washed out with flowing water.
Inhalation:	Not Available. Breathing of vapours at high concentration may cause dizziness, nausea, vomiting and/or CNS depression and loss of consciousness.  Warning: Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. Use in well ventilated places, avoid prolonged spraying.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not Available.
Persistence and Degradability:	Not Available.
Mobility:	Not Available:

## 13. DISPOSAL CONSIDERATIONS

Disposal Methods:	Recover cans if possible and dispose in accordance with local, state and federal government regulations. Do not puncture or incinerate cans even when empty.
Special Requirements for Landfill or Incineration:	Do not incineration. Empty containers should be disposed of to landfill in domestic garbage collection. The local waste authority should be consulted prior to disposal of bulk quantities.

## 14. TRANSPORT INFORMATION

Classified as a dangerous good by road and rail according to the ADG Code, by sea according to the IMDG and by air according to IATA regulations.

# MATERIAL SAFETY DATA SHEET



Unilever Australasia  
219 North Rocks Road  
North Rocks NSW  
Australia 2151  
486 Jackson Street  
Petone New Zealand

UN Number:	UN 1950
Proper shipping name:	AEROSOLS
Class:	2. Division 2.1
Subsidiary Risks:	Not Applicable.
Packing group:	Not Applicable. Special provisions: SP63, SP190, SP277, SP327.
Hazchem code:	2YE
Special precautions for user:	None.
Emergency Information:	Refer to HB 76.

## 15. REGULATORY INFORMATION

### AUSTRALIA

SUSDP Poisons Schedule:	Not Applicable.
Prohibition/Licensing Requirements:	Cosmetic ingredients must be labelled.
Industrial Chemicals (Notifications and Assessment) Act 1989:	Ingredients are in the Australian Inventory of Chemical Substances or are covered by certificates, permits or exemptions in compliance with the Industrial Chemicals (Notification and Assessment) Act 1989.

### NEW ZEALAND

HSNO Regulations:	Subject to Dangerous goods transport regulations. Classes 2 and 6 of control regulations: Regulations 11-27, 7, 8, 10, 32-45, 50-51, 55, 73, 77, 78, 82. Identification Regulations 6, 7, 11, 25, 29-35, 36(1-7), 37-39, 47-50, 51-52. Packaging Regulations 5, 6, 7(1), 8, 9, 13, Schedule 3. Disposal Regulations 6, 8, 9, 10, 11, 12, 13, 14. Emergency Regulations 6, 7, 9-11, 8e, 8f, 18-29, 25-34, 35-41, 42. Tracking Regulations 4(1), 5, 6 Personnel Qualifications Regulations (Approved Handlers) Regulations 4-6.
Cosmetic Products Group Standard 2006:	The HSNO Approval Number for this Group Standard is HSR002552. Substances must comply with standard.
Aggregate Water Capacity:	100g aerosol – 211ml 30g aerosol – 75ml

## 16. OTHER INFORMATION

# MATERIAL SAFETY DATA SHEET



Unilever Australasia  
219 North Rocks Road  
North Rocks NSW  
Australia 2151  
486 Jackson Street  
Petone New Zealand

Date of Preparation:	12 April 2010
Date of Last Revision:	24 December 2009.
Version Number:	3.

## DISCLAIMER

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. Since Unilever Australasia cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product.

**END OF MSDS**