

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** MULTI CLEANER

**Recommended Use of the Chemical and Restriction on Use:** Detergent

**Details of Manufacturer or Importer:**

Soudal Australia Pty Ltd  
Unit 1, 29 Prince William Drive  
Seven Hills NSW 2147

**Phone Number:** 02 8678 7449

**Emergency telephone number:** 1300 507 011

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**



flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

**Label Elements**

**Signal Word** Danger

**Hazard Statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

**Precautionary Statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous Components:**

111-76-2	Ethanol, 2-butoxy- ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; H227	<20%
106-97-8	Butane ⚠ Flam. Gas 1, H220; Press. Gas, H280	1-10%
74-98-6	Propane ⚠ Flam. Gas 1, H220; Press. Gas, H280	1-5%
67-63-0	Propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	<5%
1336-21-6	Ammonium Hydroxide ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400	<5%

## 4 . FIRST AID MEASURES

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

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**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**Ingestion:**

If swallowed, rinse mouth with water. Do not give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

**5 . FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Water spray, polyvalent foam, BC powder or carbon dioxide.

**Specific Hazards Arising from the Chemical:**

Containers close to fire should be removed if safe to do so. Use water to keep fire exposed containers cool. Vapours are heavier than air and may travel long distance to a source of ignition and flash back. Hazardous combustion products include oxides of carbon and small quantities of nitrous vapours.

**Special Protective Equipment and Precautions for Fire Fighters:**

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

**6 . ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:**

In the event of a major spill, dam up liquid spill to prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place in closing drums. Clean contaminated surfaces with an excess of water. Use only non-sparking tools. Ensure adequate ventilation.

**7 . HANDLING AND STORAGE****Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area. Use explosion-proof equipment and lighting system. Take precautionary measures against static discharge. Pressurised container, do not pierce or burn even after use. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Keep container tightly closed. Ground / bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. Store in a fireproof storeroom with ventilation at floor level. Storage life one year.

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# SAFETY DATA SHEET

According to Safe Work Australia

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## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:	
<b>106-97-8 Butane</b>	
NES	TWA: 1900 mg/m <sup>3</sup> , 800 ppm
<b>74-98-6 Propane</b>	
NES	Asphyxiant
<b>111-76-2 Ethanol, 2-butoxy-</b>	
NES	STEL: 242 mg/m <sup>3</sup> , 50 ppm TWA: 96.9 mg/m <sup>3</sup> , 20 ppm Sk
<b>67-63-0 Propan-2-ol</b>	
NES	STEL: 1230 mg/m <sup>3</sup> , 500 ppm TWA: 983 mg/m <sup>3</sup> , 400 ppm

### Engineering Contols:

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

### Personal Protective Equipment (PPE):

#### Respiratory Protection:

Use a Safe Work Australia approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. Use gas mask with filter type AX in air concentration above occupational exposure standards. See Australian Standards AS/NZS 1715 and 1716 for more information.

#### Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

#### Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Form:	Aerosol
Colour:	Variable.
Odour:	Characteristic
Odour Threshold:	Not determined.
pH-Value:	Not determined.
Melting point/Melting range:	Not determined.
Initial Boiling Point/Boiling Range:	Not determined.
Flash Point:	No information available
Flammability:	Extremely flammable

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<b>Auto-ignition Temperature:</b>	Not determined.
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour Pressure:</b>	Not determined.
<b>Density:</b>	Not determined.
<b>Relative Density at 20 °C:</b>	0.99
<b>Vapour Density:</b>	Not determined.
<b>Evaporation Rate:</b>	Not applicable.
<b>Solubility in Water:</b>	Soluble in water
<b>Partition Coefficient (n-octanol/water):</b>	Not determined.
<b>VOC:</b>	15 %

**10 . STABILITY AND REACTIVITY****Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.**Conditions to Avoid:** Heat, sparks, open flames, hot surfaces and direct sunlight.**Incompatible Materials:** No further relevant information available.**Hazardous Decomposition Products:** Oxides of carbon and small quantities of nitrous vapours.**11 . TOXICOLOGICAL INFORMATION****Toxicity:**

<b>LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:</b>		
<b>106-97-8 Butane</b>		
Inhalation	LC <sub>50</sub> /4 h	658 mg/l (rat)
<b>74-98-6 Propane</b>		
Inhalation	LC <sub>50</sub> /4 h	280000 ppm (rat) 513 mg/l (rat)
<b>111-76-2 Ethanol, 2-butoxy-</b>		
Oral	LD <sub>50</sub>	530 mg/kg (rat)
<b>67-63-0 Propan-2-ol</b>		
Oral	LD <sub>50</sub>	>2000 mg/kg (rat)
Dermal	LD <sub>50</sub>	12870 mg/kg (rabbit)
Inhalation	LC <sub>50</sub> /4 h	29535 ppm (rat) 73 mg/l (rat)

**Acute Health Effects****Inhalation:**

Exposure to high concentrations may cause headaches, nausea and disturbances of consciousness.

**Skin:** No information available**Eye:** No information available**Ingestion:** Ingestion is not considered a potential route of exposure.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.

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**Respiratory or Skin Sensitisation:** No sensitising effects known.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:**

2-Butoxyethanol and Isopropyl alcohol are classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** May be fatal if swallowed and enters airways.

**Chronic Health Effects:** No information available

**Existing Conditions Aggravated by Exposure:** No information available

**12 . ECOLOGICAL INFORMATION**

**Ecotoxicity:** No information available

**Aquatic toxicity:**

**111-76-2 Ethanol, 2-butoxy-**

EC<sub>50</sub>/24 h 1720 mg/l (daphnia)

LC<sub>50</sub>/96 h 1341 ppm (bluegill)

**67-63-0 Propan-2-ol**

EC<sub>50</sub>/48 h 13299 mg/l (daphnia)

EC<sub>50</sub>/72 h >1000 mg/l (algae)

LC<sub>50</sub>/96 h 9640 mg/l (flathead minnows)

**Persistence and Degradability:** The surfactants are biodegradable.

**Bioaccumulative Potential:** No information available

**Mobility in Soil:** No information available

**13 . DISPOSAL CONSIDERATIONS**

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

**14 . TRANSPORT INFORMATION**

**UN Number**

**ADG**

UN1950

**Proper Shipping Name**

**ADG**

AEROSOLS, FLAMMABLE

**Dangerous Goods Class**

**ADG Class:**

2.1

**Packing Group:**

Not applicable

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**Hazchem Code:** 2YE  
**Special Provisions:** 63, 190, 277, 327  
**Limited Quantities:** See SP277  
**Packagings & IBCs - Packing Instruction:** P003, LP02  
**Packagings & IBCs - Special Packing Provisions:** PP17, PP87, L2  
**Portable Tanks & Bulk Containers - Instructions:** Not applicable  
**Portable Tanks & Bulk Containers - Special Provisions:** Not applicable

**15 . REGULATORY INFORMATION****Australian Inventory of Chemical Substances:**

111-76-2	Ethanol, 2-butoxy-
106-97-8	Butane
74-98-6	Propane
67-63-0	Propan-2-ol
1336-21-6	Ammonium Hydroxide

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**  
Poisons Schedule: 6

**16 . OTHER INFORMATION****Creation Date:** 25.07.2014**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
IARC: International Agency for Research on Cancer  
STEL: Short Term Exposure Limit  
TWA: Time Weighted Average  
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

**Disclaimer**

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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