

SOLVOL HAND CLEANING WIPES

Chemwatch Independent Material Safety Data Sheet

Issue Date: 4-Apr-2012

9317SP

CHEMWATCH 31-4844

Version No:2.0

CD 2012/1 Page 1 of 7

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

SOLVOL HAND CLEANING WIPES

PRODUCT USE

■ MSDS are intended for use in the workplace. For domestic-use products, refer to consumer labels.
Heavy Duty Hand Wipes for cleaning hands and tools.

SUPPLIER

Company: WD- 40 Company Australia Pty Ltd

Address:

Level 2, Suite 23, 41 Rawson Street

Epping

NSW, 2121

Australia

Telephone: +61 2 9868 2200

Emergency Tel: **1800 024 973**

Fax: +61 2 9869 7512

Section 2 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to NOHSC Criteria, and ADG Code.

RISK

•None under normal operating conditions.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
non- woven cloths impregnated with solution containing		
propylene glycol	57-55-6	<1
isopropyl myristate	110-27-0	<1
propylene glycol mono- tert- butyl ether	57018-52-7	<1
d- limonene	5989-27-5	<1
octylphenol, ethoxylated	9036-19-5	<1
triethylene glycol monododecyl ether	3055-94-5	<1
alpha- tocopherol	59-02-9	<1
Aloes, extract	85507-69-3	<1
sodium hydroxymethylaminoacetate	70161-44-3	<1
water	7732-18-5	balance

NOTE: Manufacturer has supplied full ingredient information to allow CHEMWATCH assessment.

Section 4 - FIRST AID MEASURES

SWALLOWED

■ - Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

EYE

■ If this product comes in contact with eyes:
- Wash out immediately with water.
- If irritation continues, seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

SKIN

■ If skin or hair contact occurs:

continued...

SOLVOL HAND CLEANING WIPES

Chemwatch Independent Material Safety Data Sheet

Issue Date: 4-Apr-2012

9317SP

CHEMWATCH 31-4844

Version No:2.0

CD 2012/1 Page 2 of 7

Section 4 - FIRST AID MEASURES

-
- Flush skin and hair with running water (and soap if available).
 - Seek medical attention in event of irritation.

INHALED

- - If fumes, aerosols or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.

NOTES TO PHYSICIAN

- Treat symptomatically.

Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- - There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

FIRE FIGHTING

- - Use water delivered as a fine spray to control fire and cool adjacent area.
 - Do not approach containers suspected to be hot.
 - Cool fire exposed containers with water spray from a protected location.
 - If safe to do so, remove containers from path of fire.
- Slight hazard when exposed to heat, flame and oxidisers.

FIRE/EXPLOSION HAZARD

- - The material is not readily combustible under normal conditions.
- However, it will break down under fire conditions and the organic component may burn.
- Not considered to be a significant fire risk.
- Heat may cause expansion or decomposition with violent rupture of containers.

FIRE INCOMPATIBILITY

- None known.

HAZCHEM

None

Section 6 - ACCIDENTAL RELEASE MEASURES

MINOR SPILLS

- Remove all ignition sources.
- Collect tissues.

MAJOR SPILLS

- Remove all ignition sources.
- Collect packages.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

Section 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING

- No special handling procedures required.

SUITABLE CONTAINER

- - Packaging as recommended by manufacturer.

STORAGE INCOMPATIBILITY

- Store away from foodstuff containers.

STORAGE REQUIREMENTS

- Store away from incompatible materials.
- Store away from sources of heat or ignition / naked lights.
Store in a cool, dry and well-ventilated area.
- Keep containers securely sealed.

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SOLVOL HAND CLEANING WIPES

Chemwatch Independent Material Safety Data Sheet

Issue Date: 4-Apr-2012

9317SP

CHEMWATCH 31-4844

Version No:2.0

CD 2012/1 Page 3 of 7

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

Source	Material	TWA ppm	TWA mg/m ³
Australia Exposure Standards	propylene glycol (Propane- 1, 2-diol: particulates only)		10
Australia Exposure Standards	propylene glycol (Propane- 1, 2-diol total: (vapour & particulates))	150	474

The following materials had no OELs on our records

• isopropyl myristate:	CAS:110- 27- 0
• propylene glycol mono- tert- butyl ether:	CAS:57018- 52- 7
• d- limonene:	CAS:5989- 27- 5 CAS:138- 86- 3
• octylphenol, ethoxylated:	CAS:9036- 19- 5
• triethylene glycol monododecyl ether:	CAS:3055- 94- 5
• alpha- tocopherol:	CAS:59- 02- 9 CAS:10191- 41- 0
• Aloes, extract:	CAS:85507- 69- 3 CAS:94349- 62- 9
• sodium hydroxymethylaminoacetate:	CAS:70161- 44- 3
• water:	CAS:7732- 18- 5

MATERIAL DATA

ALPHA-TOCOPHEROL:

OCTYLPHENOL, ETHOXYLATED:

PROPYLENE GLYCOL MONO-TERT-BUTYL ETHER:

SODIUM HYDROXYMETHYLAMINOACETATE:

TRIETHYLENE GLYCOL MONODODECYL ETHER:

- Sensory irritants are chemicals that produce temporary and undesirable side-effects on the eyes, nose or throat.

Historically occupational exposure standards for these irritants have been based on observation of workers' responses to various airborne concentrations.

ALOES, EXTRACT:

SODIUM HYDROXYMETHYLAMINOACETATE:

TRIETHYLENE GLYCOL MONODODECYL ETHER:

■ It is the goal of the ACGIH (and other Agencies) to recommend TLVs (or their equivalent) for all substances for which there is evidence of health effects at airborne concentrations encountered in the workplace.

At this time no TLV has been established, even though this material may produce adverse health effects (as evidenced in animal experiments or clinical experience).

NOTE: The ACGIH occupational exposure standard for Particles Not Otherwise Specified (P.N.O.S) does NOT apply.

SOLVOL HAND CLEANING WIPES:

Not available

PROPYLENE GLYCOL:

- for propylene glycol:

Saturated vapour concentration @ 20 deg C.= 65.8 ppm, 204.6 mg/m³; i.e higher concentrations can only occur as aerosols or at higher temperatures.

Odour Threshold: Practically odourless.<</>.

ISOPROPYL MYRISTATE:

- vegetable oil mists (except castor, cashew nut and similar irritant oils)

TLV TWA: 10 mg/m³

ES TWA: 10 mg/m³

OSHA PEL TWA: 15 mg/m³, total particulate; 5 mg/m³, respirable particulate

The common vegetable oil mists are considered "nuisance" particulates which have little adverse effect on the lung. They do not produce toxic effects or significant organic disease when exposures are kept under reasonable control.

D-LIMONENE:

- for d-Limonene:

CEL TWA: 30 ppm, 165.6 mg/m³ (compare WEEL-TWA*)

A Workplace Environmental Exposure Level* has been established by AIHA (American Industrial Hygiene Association) who have produced the following rationale:

d-Limonene is not acutely toxic. In its pure form it is not a sensitiser but is irritating to the skin.

WATER:

- No exposure limits set by NOHSC or ACGIH.

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SOLVOL HAND CLEANING WIPES

Chemwatch Independent Material Safety Data Sheet

Issue Date: 4-Apr-2012

9317SP

CHEMWATCH 31-4844

Version No:2.0

CD 2012/1 Page 4 of 7

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

RESPIRATOR

• Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

EYE

■ No special equipment for minor exposure i.e. when handling small quantities.

- OTHERWISE:

- Safety glasses with side shields.

HANDS/FEET

■ No special equipment needed when handling small quantities.

OTHERWISE: Wear general protective gloves, eg. light weight rubber gloves.

OTHER

■ No special equipment needed when handling small quantities.

OTHERWISE:

- Overalls.

- Barrier cream.

- Eyewash unit.

ENGINEERING CONTROLS

■ None required when handling small quantities.

OTHERWISE:.

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

cloth wipes with a characteristic odour.

PHYSICAL PROPERTIES

State	Manufactured	Molecular Weight	Not Applicable
Melting Range (°C)	Not Applicable	Viscosity	Not Applicable
Boiling Range (°C)	100 (liquid)	Solubility in water (g/L)	Not Applicable
Flash Point (°C)	Not Applicable	pH (1% solution)	Not Available
Decomposition Temp (°C)	Not Available	pH (as supplied)	4.0- 8.0 (liquid)
Autoignition Temp (°C)	>400	Vapour Pressure (kPa)	Not Applicable
Upper Explosive Limit (%)	Not Applicable	Specific Gravity (water=1)	1 (liquid)
Lower Explosive Limit (%)	Not Applicable	Relative Vapour Density (air=1)	1.59 (liquid)
Volatile Component (%vol)	Not Available	Evaporation Rate	Not Applicable
propylene glycol			
log Kow (Prager 1995):		- 0.92	
log Kow (Sangster 1997):		- 0.92	

Section 10 - STABILITY AND REACTIVITY

CONDITIONS CONTRIBUTING TO INSTABILITY

■ Product is considered stable and hazardous polymerisation will not occur.

For incompatible materials - refer to Section 7 - Handling and Storage.

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SOLVOL HAND CLEANING WIPES

Chemwatch Independent Material Safety Data Sheet
Issue Date: 4-Apr-2012
9317SP

CHEMWATCH 31-4844
Version No:2.0
CD 2012/1 Page 5 of 7

Section 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED

■ Not normally a hazard due to physical form of product.
Ingestion may result in nausea, abdominal irritation, pain and vomiting.

EYE

■ Not normally a hazard due to physical form of product.
The liquid may produce eye discomfort causing smarting, pain and redness.

SKIN

■ Not considered an irritant through normal use.
The liquid may produce skin discomfort following prolonged contact. Defatting and/or drying of the skin may lead to dermatitis.

INHALED

■ Not normally a hazard due to non-volatile nature of product.
Not considered an irritant through normal use.

CHRONIC HEALTH EFFECTS

■ Primary route of exposure is usually by skin contact.

TOXICITY AND IRRITATION

■ Not available. Refer to individual constituents.

CARCINOGEN

1- tert- Butoxypropan- 2- ol	International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs	Group	3
d- Limonene (NB: Overall evaluation downgraded to Group 3 with supporting evidence from other relevant data)	International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs	Group	3

Section 12 - ECOLOGICAL INFORMATION

No data

Ecotoxicity

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
propylene glycol	LOW	No Data Available	LOW	HIGH
isopropyl myristate	LOW	No Data Available	LOW	LOW
propylene glycol mono- tert- butyl ether	LOW	No Data Available	LOW	HIGH
d- limonene	HIGH	No Data Available	LOW	MED
octylphenol, ethoxylated	No Data Available	No Data Available		
triethylene glycol monododecyl ether	LOW	No Data Available	LOW	HIGH
alpha- tocopherol	HIGH	No Data Available	LOW	LOW
Aloes, extract	No Data Available	No Data Available		
sodium hydroxymethylaminoacetate	No Data Available	No Data Available		

continued...

SOLVOL HAND CLEANING WIPES

Chemwatch Independent Material Safety Data Sheet

Issue Date: 4-Apr-2012

9317SP

CHEMWATCH 31-4844

Version No:2.0

CD 2012/1 Page 6 of 7

Section 13 - DISPOSAL CONSIDERATIONS

- Bury or incinerate residue at an approved site.

Section 14 - TRANSPORTATION INFORMATION

HAZCHEM:

None (ADG7)

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: ADG7, UN, IATA, IMDG

Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE None

REGULATIONS

Regulations for ingredients

propylene glycol (CAS: 57-55-6) is found on the following regulatory lists;

"Australia Exposure Standards", "Australia Hazardous Substances", "Australia High Volume Industrial Chemical List (HVICL)", "Australia Inventory of Chemical Substances (AICS)", "Australia National Pollutant Inventory", "Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Appendix E (Part 2)", "Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Appendix F (Part 3)", "Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO IBC Code Chapter 17: Summary of minimum requirements", "IMO IBC Code Chapter 18: List of products to which the Code does not apply", "IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances", "IMO Provisional Categorization of Liquid Substances - List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards", "International Council of Chemical Associations (ICCA) - High Production Volume List", "International Fragrance Association (IFRA) Survey: Transparency List", "OECD List of High Production Volume (HPV) Chemicals", "OSPAR National List of Candidates for Substitution - Norway", "United Nations Consolidated List of Products Whose Consumption and/or Sale Have Been Banned, Withdrawn, Severely Restricted or Not Approved by Governments"

isopropyl myristate (CAS: 110-27-0) is found on the following regulatory lists;

"Australia Inventory of Chemical Substances (AICS)", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO IBC Code Chapter 17: Summary of minimum requirements", "IMO Provisional Categorization of Liquid Substances - List 1: Pure or technically pure products", "International Council of Chemical Associations (ICCA) - High Production Volume List", "International Fragrance Association (IFRA) Survey: Transparency List", "OECD List of High Production Volume (HPV) Chemicals"

propylene glycol mono-tert-butyl ether (CAS: 57018-52-7) is found on the following regulatory lists;

"Australia Hazardous Substances", "Australia National Pollutant Inventory", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO IBC Code Chapter 17: Summary of minimum requirements", "International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs", "OSPAR National List of Candidates for Substitution - Norway"

d-limonene (CAS: 5989-27-5,138-86-3) is found on the following regulatory lists;

"Australia - Victoria Occupational Health and Safety Regulations - Schedule 9: Materials at Major Hazard Facilities (And Their Threshold Quantity) Table 2", "Australia Hazardous Substances", "Australia Inventory of Chemical Substances (AICS)", "Australia National Pollutant Inventory", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO IBC Code Chapter 17: Summary of minimum requirements", "IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs", "International Fragrance Association (IFRA) Standards Specification", "International Fragrance Association (IFRA) Survey: Transparency List", "OECD List of High Production Volume (HPV) Chemicals", "OSPAR List of Substances of Possible Concern", "OSPAR National List of Candidates for Substitution - Norway", "OSPAR National List of Candidates for Substitution - United Kingdom", "United Nations Consolidated List of Products Whose Consumption and/or Sale Have Been Banned, Withdrawn, Severely Restricted or Not Approved by Governments"

octylphenol, ethoxylated (CAS: 9036-19-5) is found on the following regulatory lists;

"Australia Inventory of Chemical Substances (AICS)", "International Chemical Secretariat (ChemSec) SIN List (*Substitute It Now!)", "International Fragrance Association (IFRA) Survey: Transparency List", "United Nations Consolidated List of Products Whose Consumption and/or Sale Have Been Banned, Withdrawn, Severely Restricted or Not Approved by Governments"

triethylene glycol monododecyl ether (CAS: 3055-94-5) is found on the following regulatory lists;

"Australia Inventory of Chemical Substances (AICS)", "Australia National Pollutant Inventory", "OSPAR National List of Candidates for Substitution - Norway"

alpha-tocopherol (CAS: 59-02-9,10191-41-0) is found on the following regulatory lists;

"Australia Inventory of Chemical Substances (AICS)", "Australia National Pollutant Inventory", "Australia Therapeutic Goods Administration (TGA) Substances that may be used as active ingredients in Listed medicines", "International Fragrance Association (IFRA) Survey: Transparency List", "OECD List of High Production Volume (HPV) Chemicals"

Aloes, extract (CAS: 85507-69-3,94349-62-9) is found on the following regulatory lists;

"Australia Inventory of Chemical Substances (AICS)", "Australia National Pollutant Inventory", "Australia Therapeutic Goods Administration (TGA) Substances that may be used as active ingredients in Listed medicines", "International Fragrance Association (IFRA) Survey: Transparency List"

continued...

SOLVOL HAND CLEANING WIPES

Chemwatch Independent Material Safety Data Sheet

Issue Date: 4-Apr-2012

9317SP

CHEMWATCH 31-4844

Version No:2.0

CD 2012/1 Page 7 of 7

Section 15 - REGULATORY INFORMATION

sodium hydroxymethylaminoacetate (CAS: 70161-44-3) is found on the following regulatory lists;

"Australia Inventory of Chemical Substances (AICS)", "Australia National Pollutant Inventory", "United Nations Consolidated List of Products Whose Consumption and/or Sale Have Been Banned, Withdrawn, Severely Restricted or Not Approved by Governments"

water (CAS: 7732-18-5) is found on the following regulatory lists;

"Australia Inventory of Chemical Substances (AICS)", "IMO IBC Code Chapter 18: List of products to which the Code does not apply", "International Fragrance Association (IFRA) Survey: Transparency List", "OECD List of High Production Volume (HPV) Chemicals", "OSPAR National List of Candidates for Substitution – Norway"

No data for Solvol Hand Cleaning Wipes (CW: 31-4844)

Section 16 - OTHER INFORMATION

Denmark Advisory list for selfclassification of dangerous substances

Substance	CAS	Suggested codes
isopropyl myristate	110- 27- 0	Mut3; R68 N; R50/53
triethylene glycol monododecyl ether	3055- 94- 5	N; R50/53
alpha- tocopherol	59- 02- 9	Xi; R38
alpha- tocopherol	10191- 41- 0	Xi; R38

INGREDIENTS WITH MULTIPLE CAS NUMBERS

Ingredient Name	CAS
d- limonene	5989- 27- 5, 138- 86- 3
alpha- tocopherol	59- 02- 9, 10191- 41- 0
Aloes, extract	85507- 69- 3, 94349- 62- 9

■ Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:

www.chemwatch.net/references.

■ The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

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This is the end of the MSDS.