

# WATTYL SOLAGARD LOW SHEEN COLOUR RANGE

Chemwatch Independent Material Safety Data Sheet  
Issue Date: 8-Oct-2008  
C9317EC

CHEMWATCH 8076-22  
Version No:5  
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## Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NAME

WATTYL SOLAGARD LOW SHEEN COLOUR RANGE

### SYNONYMS

"Product Code: 1134 line"

### PRODUCT USE

» Used according to manufacturer's directions.

### SUPPLIER

Company: Wattyl Pty Ltd  
Address:  
4 Steel Street  
Blacktown  
NSW, 2148  
AUS  
Telephone: +61 2 9621 6255  
Emergency Tel: 1800 039 008  
Fax: +61 2 9831 4244  
Email: joseph.rodgers- falk@wattyl.com.au

## Section 2 - HAZARDS IDENTIFICATION

### STATEMENT OF HAZARDOUS NATURE

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

### POISONS SCHEDULE

None

### RISK

Risk Codes	Risk Phrases
R40(3)	» Limited evidence of a carcinogenic effect.
R52/53	» Harmful to aquatic organisms may cause long- term adverse effects in the aquatic environment.

### SAFETY

Safety Codes	Safety Phrases
S23	» Do not breathe gas/fumes/vapour/spray.
S53	» Avoid exposure - obtain special instructions before use.
S40	» To clean the floor and all objects contaminated by this material use water.
S13	» Keep away from food drink and animal feeding stuffs.
S26	» In case of contact with eyes rinse with plenty of water and contact Doctor or Poisons Information Centre.
S46	» If swallowed IMMEDIATELY contact Doctor or Poisons Information Centre. (show this container or label).

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
synthetic latex		30-60
pigments including titanium dioxide	13463-67-7	1-30
2, 2, 4- trimethyl- 1, 3- pentanediol monoisobutyrate	25265-77-4	1-2
nonylphenol, ethoxylated	9016-45-9	<2
ammonium hydroxide	1336-21-6	<0.2^
additives, pigments, fillers, unregulated		10-30
water	7732-18-5	10-30

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### Section 4 - FIRST AID MEASURES

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#### 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 the eyes:
- Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

#### SKIN

- » If skin contact occurs:
- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).

#### INHALED

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

#### NOTES TO PHYSICIAN

- » Treat symptomatically.

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### Section 5 - FIRE FIGHTING MEASURES

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#### EXTINGUISHING MEDIA

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

#### FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear full body protective clothing with breathing apparatus.

#### 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.

#### FIRE INCOMPATIBILITY

- » None known.

#### HAZCHEM: None

#### PERSONAL PROTECTION

Glasses:

Safety Glasses.

Chemical goggles.

Gloves:

PVC chemical resistant type.

Respirator:

Type AK-P Filter of sufficient capacity

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### Section 6 - ACCIDENTAL RELEASE MEASURES

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#### MINOR SPILLS

- Remove all ignition sources.
- Clean up all spills immediately.

#### MAJOR SPILLS

- » Moderate hazard.
- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.

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

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## Section 7 - HANDLING AND STORAGE

### PROCEDURE FOR HANDLING

- Limit all unnecessary personal contact.
- Wear protective clothing when risk of exposure occurs.

### SUITABLE CONTAINER

- Metal can or drum
- Packaging as recommended by manufacturer.

### STORAGE INCOMPATIBILITY

- » None known.

### STORAGE REQUIREMENTS

- Store in original containers.
- Keep containers securely sealed.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE CONTROLS

Source	Material	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>
Australia Exposure Standards	titanium dioxide (Titanium dioxide (a))		10		
Australia Exposure Standards	ammonium hydroxide (Ammonia)	25	17	35	24

The following materials had no OELs on our records

- 2, 2, 4- trimethyl- 1, 3- pentanediol monoisobutyrate:

CAS:25265- 77- 4 CAS:77- 68- 9 CAS:141136- 23- 4  
CAS:129383- 05- 7 CAS:25134- 27- 4

- nonylphenol, ethoxylated:

CAS:9016- 45- 9 CAS:26027- 38- 3

- water:

CAS:7732- 18- 5 CAS:558440- 53- 2 CAS:558440- 22- 5

### PERSONAL PROTECTION

#### RESPIRATOR

Type AK-P Filter of sufficient capacity

#### EYE

- Safety glasses with side shields.
- Chemical goggles.

#### HANDS/FEET

- Wear chemical protective gloves, eg. PVC.
- Wear safety footwear or safety gumboots, eg. Rubber.

#### OTHER

- Overalls.
- Eyewash unit.

#### ENGINEERING CONTROLS

» General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

» Available in a range of lead free colours.  
Coloured liquid paint with a mild acrylic odour; mixes with water.

### PHYSICAL PROPERTIES

Liquid.  
Mixes with water.

Molecular Weight: Not applicable  
Melting Range (°C): Not available.  
Solubility in water (g/L): Miscible  
pH (1% solution): Not available  
Volatile Component (%vol): 25- 50  
Relative Vapour Density (air=1): Not available.  
Lower Explosive Limit (%): Not Applicable  
Autoignition Temp (°C): Not Applicable

Boiling Range (°C): 100- 244  
Specific Gravity (water=1): 1.14- 1.36  
pH (as supplied): 8 - 10  
Vapour Pressure (kPa): <1  
Evaporation Rate: Not Available  
Flash Point (°C): Not Applicable  
Upper Explosive Limit (%): Not Applicable  
Decomposition Temp (°C): Not Available

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## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Viscosity: Not Available

## Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

### CONDITIONS CONTRIBUTING TO INSTABILITY

» Product is considered stable and hazardous polymerisation will not occur.  
For incompatible materials - refer to Section 7 - Handling and Storage.

## Section 11 - TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS                      CHRONIC HEALTH EFFECTS

» Not applicable.                              » Limited evidence of a carcinogenic effect.

### TOXICITY AND IRRITATION

» Not available. Refer to individual constituents.

#### TITANIUM DIOXIDE:

» unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

#### TOXICITY

Oral (Rat) LD50: >20000 mg/kg \*  
Oral (Mouse) LD50: >10000 mg/kg \*

#### IRRITATION

Skin (human): 0.3 mg /3D (int)- Mild \*

» The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling epidermis.

For titanium dioxide:

Humans can be exposed to titanium dioxide via inhalation, ingestion or dermal contact. In human lungs, the clearance kinetics of titanium dioxide is poorly characterized relative to that in experimental animals.

\* IUCLID

#### 2,2,4-TRIMETHYL-1,3-PENTANEDIOL MONOISOBUTYRATE:

» unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

#### TOXICITY

Oral (rat) LD50: 3200 mg/kg  
Oral (rat) LD50: 3200 mg/kg \*\*\*  
Dermal (rabbit) LD50: >16 ml/kg \*  
Dermal (g.pig) LD50: >16 ml/kg \*\*\*  
Inhalation (rat) LC50: >3.55 mg/l/6h  
Inhalation (rat) LC50: 1600 mg/kg \*\*\*  
Oral (Mouse) LD50: 3200 mg/kg  
Dermal (Guinea) pig: LD50>20 ml/kg

#### IRRITATION

Skin - Slight Irritant \*  
Skin (rabbit): Mild \*\*\*  
Eyes - Moderate Irritant \*

» The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling epidermis.

Not a skin sensitiser (guinea pig, Magnusson-Kligman) \*\*\*

Ames Test: negative \*\*\*

Micronucleus, mouse: negative \*\*\*

Not mutagenic \*\*\*

No effects on fertility or foetal development seen in the rat \*\*\*

\* [SWIFT]

\*\* [Eastman]

\*\*\* [Perstop]

#### NONYLPHENOL, ETHOXYLATED:

» unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

#### TOXICITY

Oral (rat) LD50: >2000 mg/kg  
Dermal (rabbit) LD50: 2830 ul/kg

#### IRRITATION

Skin (human): 15 mg/3D Mild  
Skin (rabbit): 500 mg Mild  
Eye (rabbit): 5 mg SEVERE

» The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling epidermis.

#### WATER:

» No significant acute toxicological data identified in literature search.

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Section 11 - TOXICOLOGICAL INFORMATION

## CARCINOGEN

titanium dioxide

International Agency for Research on Cancer  
(IARC) Carcinogens

Group

2B

## Section 12 - ECOLOGICAL INFORMATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Ecotoxicity

Ingredient

Persistence:  
Water/Soil

Persistence:  
Air  
No data

Bioaccumulat  
ion

Mobility

Wattyl Solagard Low Sheen Colour  
Range

titanium dioxide

HIGH

No data

LOW

HIGH

2, 2, 4- trimethyl- 1, 3-

LOW

No data

LOW

HIGH

pentanediol monoisobutyrate

nonylphenol, ethoxylated

LOW

No data

LOW

MED

water

LOW

No data

LOW

HIGH

## Section 13 - DISPOSAL CONSIDERATIONS

- Containers may still present a chemical hazard/ danger when empty.
- Return to supplier for reuse/ recycling if possible.

## 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

Wattyl Solagard Low Sheen Colour Range (CAS: None):

No regulations applicable

Regulations for ingredients

titanium dioxide (CAS: 13463-67-7) is found on the following regulatory lists;

Australia Exposure Standards

Australia High Volume Industrial Chemical List (HVICL)

Australia Inventory of Chemical Substances (AICS)

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 4

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 5

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 7

Australia Therapeutic Goods Administration (TGA) Substances that may be used as active ingredients in Listed medicines

Australia Therapeutic Goods Administration (TGA) Sunscreening agents permitted as active ingredients in listed products

CODEX General Standard for Food Additives (GSFA) - Additives Permitted for Use in Food in General, Unless Otherwise Specified, in Accordance with

GMP

GESAMP/EHS Composite List of Hazard Profiles - Hazard evaluation of substances transported by ships

IMO IBC Code Chapter 17: Summary of minimum requirements

International Agency for Research on Cancer (IARC) Carcinogens

OECD Representative List of High Production Volume (HPV) Chemicals

titanium dioxide (CAS: 1317-70-0) is found on the following regulatory lists;

Australia Inventory of Chemical Substances (AICS)

OECD Representative List of High Production Volume (HPV) Chemicals

titanium dioxide (CAS: 1317-80-2) is found on the following regulatory lists;

Australia Inventory of Chemical Substances (AICS)

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 4

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 5

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 7

OECD Representative List of High Production Volume (HPV) Chemicals

titanium dioxide (CAS: 1309-63-3) is found on the following regulatory lists;

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 4

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 5

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 7

titanium dioxide (CAS: 62338-64-1) is found on the following regulatory lists;

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 4

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 5

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 7

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Section 15 - REGULATORY INFORMATION

2,2,4-trimethyl-1,3-pentanediolmonoisobutyrate (CAS: 25265-77-4) is found on the following regulatory lists;  
Australia High Volume Industrial Chemical List (HVICL)  
Australia Inventory of Chemical Substances (AICS)  
GESAMP/EHS Composite List of Hazard Profiles - Hazard evaluation of substances transported by ships  
IMO IBC Code Chapter 17: Summary of minimum requirements  
IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk  
OECD Representative List of High Production Volume (HPV) Chemicals

2,2,4-trimethyl-1,3-pentanediolmonoisobutyrate (CAS: 77-68-9) is found on the following regulatory lists;  
Australia Inventory of Chemical Substances (AICS)

nonylphenol, ethoxylated (CAS: 9016-45-9) is found on the following regulatory lists;  
Australia High Volume Industrial Chemical List (HVICL)  
Australia Inventory of Chemical Substances (AICS)  
OECD Representative List of High Production Volume (HPV) Chemicals  
OSPAR List of Chemicals for Priority Action  
OSPAR List of Substances of Possible Concern

nonylphenol, ethoxylated (CAS: 26027-38-3) is found on the following regulatory lists;  
Australia Inventory of Chemical Substances (AICS)  
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Appendix E (Part 2)  
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 5  
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 6  
GESAMP/EHS Composite List of Hazard Profiles - Hazard evaluation of substances transported by ships  
IMO Provisional Categorization of Liquid Substances - List 1: Pure or technically pure products  
International Chemical Secretariat (ChemSec) REACH SIN\* List (\*Substitute It Now!) 1.0  
OSPAR List of Chemicals for Priority Action

water (CAS: 7732-18-5) is found on the following regulatory lists;  
Australia Inventory of Chemical Substances (AICS)  
GESAMP/EHS Composite List of Hazard Profiles - Hazard evaluation of substances transported by ships  
IMO IBC Code Chapter 18: List of products to which the Code does not apply  
OECD Representative List of High Production Volume (HPV) Chemicals

No data available for titanium dioxide as CAS: 12188-41-9, CAS: 100292-32-8, CAS: 101239-53-6, CAS: 116788-85-3, CAS: 12000-59-8, CAS: 12701-76-7, CAS: 12767-65-6, CAS: 12789-63-8, CAS: 1344-29-2, CAS: 185323-71-1, CAS: 185828-91-5, CAS: 188357-76-8, CAS: 188357-79-1, CAS: 195740-11-5, CAS: 221548-98-7, CAS: 224963-00-2, CAS: 246178-32-5, CAS: 252962-41-7, CAS: 37230-92-5, CAS: 37230-94-7, CAS: 37230-95-8, CAS: 37230-96-9, CAS: 39320-58-6, CAS: 39360-64-0, CAS: 39379-02-7, CAS: 416845-43-7, CAS: 494848-07-6, CAS: 494848-23-6, CAS: 494851-77-3, CAS: 494851-98-8, CAS: 55068-84-3, CAS: 55068-85-4, CAS: 552316-51-5, CAS: 767341-00-4, CAS: 97929-50-5, CAS: 98084-96-9.

## Section 16 - OTHER INFORMATION

### INGREDIENTS WITH MULTIPLE CAS NUMBERS

Ingredient Name	CAS	
titanium dioxide	13463- 67- 7, 1317- 70- 0, 1317- 80- 2, 12188- 41- 9, 1309- 63- 3, 100292- 32- 8, 101239- 53- 6, 116788- 85- 3, 12000- 59- 8, 12701- 76- 7, 12767- 65- 6, 12789- 63- 8, 1344- 29- 2, 185323- 71- 1, 185828- 91- 5, 188357- 76- 8, 188357- 79- 1, 195740- 11- 5, 221548- 98- 7, 224963- 00- 2, 246178- 32- 5, 252962- 41- 7, 37230- 92- 5, 37230- 94- 7, 37230- 95- 8, 37230- 96- 9, 39320- 58- 6, 39360- 64- 0, 39379- 02- 7, 416845- 43- 7, 494848- 07- 6, 494848- 23- 6, 494851- 77- 3, 494851- 98- 8, 55068- 84- 3, 55068- 85- 4, 552316- 51- 5, 62338- 64- 1, 767341- 00- 4, 97929- 50- 5, 98084- 96- 9	
	2, 2, 4- trimethyl- 1, 3- pentanediol monoisobutyrate	9016- 45- 9, 26027- 38- 3
	nonylphenol, ethoxylated	

» 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](http://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.*