

WATTYL ALL PURPOSE ENAMEL MCRLF (LEAD FREE COLOURS)

Chemwatch Independent Material Safety Data Sheet
Issue Date: 15-Aug-2008
C9317EC

CHEMWATCH 5102-08
Version No:2.0
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Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

WATTYL ALL PURPOSE ENAMEL MCRLF (LEAD FREE COLOURS)

PROPER SHIPPING NAME

PAINT

PRODUCT USE

» Used according to manufacturer's directions.

The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing.

Before starting consider control of exposure by mechanical ventilation.

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. DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code.

POISONS SCHEDULE

S5

RISK

Risk Codes

R11

R48/20

R63(3)

R65

Risk Phrases

» Highly flammable.

» Harmful: danger of serious damage to health by prolonged exposure through inhalation.

» Possible risk of harm to the unborn child.

» HARMFUL- May cause lung damage if swallowed.

SAFETY

Safety Codes

S16

S23

S51

S09

S53

S29

S401

S07

S13

S46

S60

Safety Phrases

» Keep away from sources of ignition. No smoking.

» Do not breathe gas/fumes/vapour/spray.

» Use only in well ventilated areas.

» Keep container in a well ventilated place.

» Avoid exposure - obtain special instructions before use.

» Do not empty into drains.

» To clean the floor and all objects contaminated by this material use water and detergent.

» Keep container tightly closed.

» Keep away from food drink and animal feeding stuffs.

» If swallowed IMMEDIATELY contact Doctor or Poisons Information Centre. (show this container or label).

» This material and its container must be disposed of as hazardous waste.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
alkyd resin - unregulated	63148-69-6	30-60
solvent naphtha petroleum, light aliphatic	64742-89-8	5-15
solvent naphtha petroleum, medium aliphatic	64742-88-7	1-9
pigments, including titanium dioxide	13463-67-7	0-30
carbon black	1333-86-4	
additives		1-5
contains less than 0.1% benzene		

continued...

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Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Section 4 - FIRST AID MEASURES

SWALLOWED

- If swallowed do NOT induce vomiting.
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.

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

INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.

NOTES TO PHYSICIAN

» Treat symptomatically.

For acute or short term repeated exposures to petroleum distillates or related hydrocarbons:

- Primary threat to life, from pure petroleum distillate ingestion and/or inhalation, is respiratory failure.
 - Patients should be quickly evaluated for signs of respiratory distress (e.g. cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO₂ 50 mm Hg) should be intubated.
- Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically.

Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Foam.
- Dry chemical powder.

FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
- May be violently or explosively reactive.

When any large container (including road and rail tankers) is involved in a fire, consider evacuation by 500 metres in all directions.

FIRE/EXPLOSION HAZARD

- Liquid and vapour are highly flammable.
 - Severe fire hazard when exposed to heat, flame and/or oxidisers.
- Combustion products include: carbon dioxide (CO₂), other pyrolysis products typical of burning organic material.

FIRE INCOMPATIBILITY

- Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

HAZCHEM: ●3YE

PERSONAL PROTECTION

Glasses:
Chemical goggles.
Gloves:
PVC chemical resistant type.
Respirator:
Type A-P Filter of sufficient capacity

Section 6 - ACCIDENTAL RELEASE MEASURES

MINOR SPILLS

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

MAJOR SPILLS

- 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

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Containers, even those that have been emptied, may contain explosive vapours.
- Do NOT cut, drill, grind, weld or perform similar operations on or near containers.

SUITABLE CONTAINER

- Packing as supplied by manufacturer.
- Plastic containers may only be used if approved for flammable liquid.
- For low viscosity materials (i) : Drums and jerry cans must be of the non-removable head type. (ii) : Where a can is to be used as an inner package, the can must have a screwed enclosure.
- For materials with a viscosity of at least 2680 cSt. (23 deg. C).

STORAGE INCOMPATIBILITY

- Avoid reaction with oxidising agents.

STORAGE REQUIREMENTS

- Store in original containers in approved flame-proof area.
- No smoking, naked lights, heat or ignition sources.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

Source	Material	TWA mg/m ³
Australia Exposure Standards	titanium dioxide (Titanium dioxide (a))	10
Australia Exposure Standards	carbon black (Carbon black)	3

The following materials had no OELs on our records

- alkyl resin - unregulated: CAS:63148- 69- 6
- solvent naphtha petroleum, light aliphatic: CAS:64742- 89- 8 CAS:8031- 39- 8 CAS:8031- 38- 7
- solvent naphtha petroleum, medium aliphatic: CAS:64742- 88- 7 CAS:8006- 61- 9 CAS:86290- 81- 5

PERSONAL PROTECTION

RESPIRATOR

Type A-P Filter of sufficient capacity

EYE

- Safety glasses with side shields.
- Chemical goggles.

HANDS/FEET

- » Suitability and durability of glove type is dependent on usage. Factors such as:
- frequency and duration of contact,
- chemical resistance of glove material,.
- Wear chemical protective gloves, eg. PVC.
- Wear safety footwear or safety gumboots, eg. Rubber.

OTHER

- Overalls.
- PVC Apron.

ENGINEERING CONTROLS

» For flammable liquids and flammable gases, local exhaust ventilation or a process enclosure ventilation system may be required. Ventilation equipment should be explosion-resistant.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Coloured highly flammable liquid with a strong solvent odour; not miscible with water.

PHYSICAL PROPERTIES

Liquid.
Does not mix with water.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight: Not Applicable
Melting Range (°C): Not Available
Solubility in water (g/L): Immiscible
pH (1% solution): Not Applicable
Volatile Component (%vol): Not Available
Relative Vapour Density (air=1): >1
Lower Explosive Limit (%): Not Available
Autoignition Temp (°C): Not Available
State: Liquid

Boiling Range (°C): 47- 178
Specific Gravity (water=1): 0.9- 1.2
pH (as supplied): Not Applicable
Vapour Pressure (kPa): Not Available
Evaporation Rate: Not Available
Flash Point (°C): - 30
Upper Explosive Limit (%): Not Available
Decomposition Temp (°C): Not Available
Viscosity: Not Available

Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.

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

Section 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

- » HARMFUL- May cause lung damage if swallowed.
- » Vapours may cause dizziness or suffocation.

CHRONIC HEALTH EFFECTS

- » Possible risk of harm to the unborn child.
- » Harmful: danger of serious damage to health by prolonged exposure through inhalation.

TOXICITY AND IRRITATION

- » Not available. Refer to individual constituents.

ALKYD RESIN - UNREGULATED:

» "alkyd resin" describes a generic insoluble polymer which has no residual hazardous reactants and is not absorbed in the gastro-intestinal tract. No acute or chronic human exposure / toxicity data available.

SOLVENT NAPHTHA PETROLEUM, LIGHT ALIPHATIC:

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

» Lifetime exposure of rodents to gasoline produces carcinogenicity although the relevance to humans has been questioned. Gasoline induces kidney cancer in male rats as a consequence of accumulation of the alpha2-microglobulin protein in hyaline droplets in the male (but not female) rat kidney.

SOLVENT NAPHTHA PETROLEUM, MEDIUM ALIPHATIC:

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

TOXICITY

Oral (rat) LD50: 28000 mg/kg *

Dermal (rat) LD50: 28000 mg/kg * * Xergon

» Lifetime exposure of rodents to gasoline produces carcinogenicity although the relevance to humans has been questioned. Gasoline induces kidney cancer in male rats as a consequence of accumulation of the alpha2-microglobulin protein in hyaline droplets in the male (but not female) rat kidney. The substance is classified by IARC as Group 3:

NOT classifiable as to its carcinogenicity to humans.

Evidence of carcinogenicity may be inadequate or limited in animal testing. for full range naphthas

IRRITATION

Nil Reported

CARCINOGEN

solvent naphtha petroleum, light aliphatic	International Agency for Research on Cancer (IARC) Carcinogens	Group	3
solvent naphtha petroleum, medium aliphatic	International Agency for Research on Cancer (IARC) Carcinogens	Group	3
titanium dioxide	International Agency for Research on Cancer (IARC) Carcinogens	Group	2B
carbon black	International Agency for Research on Cancer (IARC) Carcinogens	Group	2B

Section 12 - ECOLOGICAL INFORMATION

This material and its container must be disposed of as hazardous waste.

Ecotoxicity Ingredient

Persistence:
Water/Soil

Persistence:
Air

Bioaccumulat
ion

Mobility

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Section 12 - ECOLOGICAL INFORMATION

Wattyl All Purpose Enamel MCRLF (Lead Free Colours)		No data		
alkyd resin - unregulated		No data		
solvent naphtha petroleum, light aliphatic		No data		
solvent naphtha petroleum, medium aliphatic		No data		
titanium dioxide	HIGH	No data	LOW	HIGH
carbon black		No data		

Section 13 - DISPOSAL CONSIDERATIONS

- Recycle wherever possible.
- Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.

Section 14 - TRANSPORTATION INFORMATION

Labels Required: FLAMMABLE LIQUID

HAZCHEM: ●3YE (ADG7)

ADG7:

Class or division:	3	Subsidiary risk:	None
UN No.:	1263	UN packing group:	II
Special provisions:	163	Packing Instructions:	None
Notes:	None	Limited quantities:	5 L
Portable tanks and bulk containers -	T4	Portable tanks and bulk containers - Special provisions:	TP1, TP8, TP28
Instructions: Packagings and IBCs -	P001, IBC02	Packagings and IBCs -	PP1
Packing instruction:		Special packing provisions:	

Shipping Name: PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)

Land Transport UNDG:

Class or division:	3	Subsidiary risk:	None
UN No.:	1263	UN packing group:	II

Shipping Name: PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)

Air Transport IATA:

Shipping name: PAINT

Maritime Transport IMDG:

IMDG Class:	3	IMDG Subrisk:	None
UN Number:	1263	Packing Group:	II
EMS Number:	F- E, S- E	Special provisions:	163 944
Limited Quantities:	5 L	Marine Pollutant:	Not Determined

Shipping Name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

Section 15 - REGULATORY INFORMATION**POISONS SCHEDULE: S5****REGULATIONS**

Wattyl All Purpose Enamel MCRLF (Lead Free Colours) (CAS: None):

No regulations applicable

Regulations for ingredients

alkyd resin - unregulated (CAS: 63148-69-6) is found on the following regulatory lists;
Australia Inventory of Chemical Substances (AICS)

solvent naphtha petroleum, light aliphatic (CAS: 64742-89-8) is found on the following regulatory lists;

- Australia Hazardous Substances
- Australia High Volume Industrial Chemical List (HVICL)
- 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
- International Agency for Research on Cancer (IARC) Carcinogens
- International Air Transport Association (IATA) Dangerous Goods Regulations
- International Air Transport Association (IATA) Dangerous Goods Regulations - Prohibited List

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Section 15 - REGULATORY INFORMATION

International Council of Chemical Associations (ICCA) - High Production Volume List
OECD Representative List of High Production Volume (HPV) Chemicals
OSPAR List of Chemicals for Priority Action

solvent naphtha petroleum, medium aliphatic (CAS: 64742-88-7) is found on the following regulatory lists;

Australia Hazardous Substances
Australia High Volume Industrial Chemical List (HVICL)
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
International Agency for Research on Cancer (IARC) Carcinogens
International Council of Chemical Associations (ICCA) - High Production Volume List
OECD Representative List of High Production Volume (HPV) Chemicals
OSPAR List of Chemicals for Priority Action

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

carbon black (CAS: 1333-86-4) is found on the following regulatory lists;

Australia Dangerous Goods Code (ADG Code) - Goods Too Dangerous To Be Transported
Australia Exposure Standards
Australia Hazardous Substances
Australia High Volume Industrial Chemical List (HVICL)
Australia Inventory of Chemical Substances (AICS)
International Agency for Research on Cancer (IARC) Carcinogens
International Council of Chemical Associations (ICCA) - High Production Volume List
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

» 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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Section 16 - OTHER INFORMATION

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This is the end of the MSDS.