

WATTYL DURANAMEL PR10

Chemwatch Material Safety Data Sheet

Issue Date: 18-Mar-2008

XC9317EC

CHEMWATCH 48854
Version No:5
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Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

WATTYL DURANAMEL PR10

SYNONYMS

"Product Code: 200101"

PROPER SHIPPING NAME

PAINT

PRODUCT USE

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. Apply by brush, hand roller or spray atomisation. Solvent based, synthetic resin coating.

SUPPLIER

Company: Wattyl Pty Ltd

Address:

4 Steel St

Blacktown

NSW, 2148

AUS

Telephone: +61 2 9621 6255

Emergency Tel: 1800 039 008

Fax: +61 2 9831 4244

Section 2 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

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

POISONS SCHEDULE

S5

RISK

Risk Codes

R10

R51/53

Risk Phrases

Flammable.

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

SAFETY

Safety Codes

S23

S53

S401

Safety Phrases

Do not breathe gas/fumes/vapour/spray.

Avoid exposure - obtain special instructions before use.

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

S35

This material and its container must be disposed of in a safe way.

S57

Use appropriate container to avoid environmental contamination.

S61

Avoid release to the environment. Refer to special instructions/Safety data sheets.

S60

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

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Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
alkyd resin - unregulated	63148-69-6	30-60
talc	14807-96-6	5-15
micaceous iron oxide	1309-38-2	5-15
ferric oxide	1309-37-1	1-9
zinc phosphate	7779-90-0	1-9
white spirit	8052-41-3.	1-5
aluminium powder coated	7429-90-5	1-2
naphtha petroleum, heavy, hydrodesulfurised	64742-82-1.	1-2
additives		1-9
contains less than 0.1% benzene		

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.

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 dust is inhaled, remove from contaminated area.
- Encourage patient to blow nose to ensure clear passage of breathing.

NOTES TO PHYSICIAN

Treat symptomatically.

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 flammable.
 - Moderate fire hazard when exposed to heat or flame.
- Combustion products include: carbon monoxide (CO), carbon dioxide (CO₂), silicon dioxide (SiO₂), other pyrolysis products typical of burning organic material.
- Contains low boiling substance: Closed containers may rupture due to pressure buildup under fire conditions.

FIRE INCOMPATIBILITY

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc.

HAZCHEM: 3[Y]

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Section 6 - ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

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.

Section 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING

- 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.
- Electrostatic discharge may be generated during pumping - this may result in fire.
- Ensure electrical continuity by bonding and grounding (earthing) all equipment.
- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of overexposure occurs.

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 flammable liquid storage area.
- DO NOT store in pits, depressions, basements or areas where vapours may be trapped.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

Source	Material	TWA mg/m ³
Australia Exposure Standards	talca (Talc, (containing no asbestos fibres))	2.5
Australia Exposure Standards	talca (Soapstone (respirable dust))	3
Australia Exposure Standards	ferric oxide (Iron oxide fume (Fe ₂ O ₃) (as Fe))	5
Australia Exposure Standards	ferric oxide (Inspirable dust (not otherwise classified))	10
Australia Exposure Standards	zinc phosphate (Inspirable dust (not otherwise classified))	10
Australia Exposure Standards	white spirit (White spirits)	790
Australia Exposure Standards	aluminium powder coated (Aluminium (welding fumes) (as Al))	5
Australia Exposure Standards	aluminium powder coated (Aluminium (metal dust))	10
Australia Exposure Standards	naphtha petroleum, heavy, hydrodesulfurised (White spirits)	790

The following materials had no OELs on our records

- alkyd resin - unregulated:
- micaceous iron oxide:

CAS:63148- 69- 6
CAS:1309- 38- 2

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Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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.

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 flammable liquid with a mild odour; not miscible with water.

PHYSICAL PROPERTIES

Liquid.

Does not mix with water.

Sinks in water.

Molecular Weight: Not applicable.
Melting Range (°C): Not available
Solubility in water (g/L): Insoluble
pH (1% solution): Not applicable
Volatile Component (%vol): 30- 50
Relative Vapour Density (air=1): > 1
Lower Explosive Limit (%): Not available
Autoignition Temp (°C): 250
State: Liquid

Boiling Range (°C): 138- 200
Specific Gravity (water=1): 1.25- 1.35
pH (as supplied): Not applicable
Vapour Pressure (kPa): Not available
Evaporation Rate: Slow
Flash Point (°C): 34 (OC)
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.

Section 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

Not applicable.

CHRONIC HEALTH EFFECTS

Not applicable.

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 gastrointestinal tract. No acute or chronic human exposure / toxicity data available.

TALC:

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Section 11 - TOXICOLOGICAL INFORMATION

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.
TOXICITY IRRITATION
Skin (human): 0.3 mg/3d- I Mild

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.

MICACEOUS IRON OXIDE:
Not available. Refer to individual constituents.

FERRIC OXIDE:
Not available. Refer to individual constituents.

ZINC PHOSPHATE:
unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.
TOXICITY IRRITATION
Oral (rat) LD50: 15000 mg/kg

WHITE SPIRIT:
unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.
TOXICITY IRRITATION
Inhalation (human) TClO: 600 mg/m³/8h Nil Reported
Oral (rat) LD50: >5000 mg/kg Eye (human): 470 ppm/15m
Inhalation (rat) LC50: >5500 mg/m³/4h Eye (rabbit): 500 mg/24h Moderate
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.
white spirit, as CAS RN 8052-41-3

ALUMINIUM POWDER COATED:
Not available.

NAPHTHA PETROLEUM, HEAVY, HYDRODESULFURISED:
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.
No data of toxicological significance identified in literature search.

MATERIAL	CARCINOGEN	REPROTOXIN	SENSITISER	SKIN
talc	IARC:3			
ferric oxide	IARC:3			

CARCINOGEN

IARC: International Agency for Research on Cancer (IARC) Carcinogens: talc Category: 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.

CARCINOGEN

IARC: International Agency for Research on Cancer (IARC) Carcinogens: ferric oxide Category: 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.

Section 12 - ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
This material and its container must be disposed of as hazardous waste.
Avoid release to the environment.
Refer to special instructions/safety data sheets.

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.

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Section 14 - TRANSPORTATION INFORMATION

Labels Required: FLAMMABLE LIQUID

HAZCHEM: 3[Y]

UNDG:

Dangerous Goods Class: 3 Subrisk: None

UN Number: 1263 Packing Group: III

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

Air Transport IATA:

ICAO/IATA Class: 3 ICAO/IATA Subrisk: None

UN/ID Number: 1263 Packing Group: III

Special provisions: A3 A72

Cargo Only

Packing Instructions: Passenger and Cargo Maximum Qty/Pack: 220 L

Packing Instructions: Passenger and Cargo Maximum Qty/Pack: 60 L

Packing Instructions: Passenger and Cargo Limited Quantity Maximum Qty/Pack: 10 L

Packing Instructions: Passenger and Cargo Limited Quantity Maximum Qty/Pack: 10 L

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Packing Instructions: Passenger and Cargo Limited Quantity Maximum Qty/Pack: 10 L

Shipping name: PAINT

Maritime Transport IMDG:

IMDG Class: 3 IMDG Subrisk: None

UN Number: 1263 Packing Group: III

EMS Number: F- E, S- E Special provisions: 163 223 944 955

Limited Quantities: 5 L

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 Duranamel PR10 (CAS: None):

No regulations applicable

alkyd resin - unregulated (CAS: 63148-69-6) is found on the following regulatory lists;

Australia Inventory of Chemical Substances (AICS)

talc (CAS: 14807-96-6) 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)

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

International Agency for Research on Cancer (IARC) Carcinogens

OECD Representative List of High Production Volume (HPV) Chemicals

micaceous iron oxide (CAS: 1309-38-2) is found on the following regulatory lists;

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 2

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 6

International Council of Chemical Associations (ICCA) - High Production Volume List

ferric oxide (CAS: 1309-37-1) 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)

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Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 2
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 6
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

zinc phosphate (CAS: 7779-90-0) is found on the following regulatory lists;

Australia Exposure Standards
Australia Inventory of Chemical Substances (AICS)
Australia National Pollutant Inventory
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 4
OECD Representative List of High Production Volume (HPV) Chemicals

zinc phosphate (CAS: 7543-51-3) is found on the following regulatory lists;

Australia Exposure Standards
Australia National Pollutant Inventory
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 4

white spirit (CAS: 8052-41-3) is found on the following regulatory lists;

Australia Exposure Standards
Australia Hazardous Substances
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 Council of Chemical Associations (ICCA) - High Production Volume List
OECD Representative List of High Production Volume (HPV) Chemicals

white spirit (CAS: 8042-47-5) is found on the following regulatory lists;

Australia High Volume Industrial Chemical List (HVICL)
Australia Inventory of Chemical Substances (AICS)
Australia Therapeutic Goods Administration (TGA) Substances that may be used as active ingredients in Listed medicines
OECD Representative List of High Production Volume (HPV) Chemicals

aluminium powder coated (CAS: 7429-90-5) is found on the following regulatory lists;

Australia - Australian Capital Territory - Environment Protection Regulation: Ambient environmental standards (IRRIG - inorganic chemicals)
Australia - Australian Capital Territory - Environment Protection Regulation: Ambient environmental standards (STOCK - inorganic chemicals)
Australia - Australian Capital Territory - Environment Protection Regulation: Pollutants entering waterways taken to cause environmental harm (Aquatic habitat)
Australia - Australian Capital Territory - Environment Protection Regulation: Pollutants entering waterways taken to cause environmental harm (IRRIG)
Australia - Australian Capital Territory - Environment Protection Regulation: Pollutants entering waterways - Agricultural uses (Stock)
Australia - Australian Capital Territory - Environment Protection Regulation: Pollutants entering waterways - Domestic water quality
Australia Exposure Standards
Australia Hazardous Substances
Australia High Volume Industrial Chemical List (HVICL)
Australia Inventory of Chemical Substances (AICS)
OECD Representative List of High Production Volume (HPV) Chemicals
WHO Guidelines for Drinking-water Quality - Chemicals for which guideline values have not been established

naphtha petroleum, heavy, hydrodesulfurised (CAS: 64742-82-1) is found on the following regulatory lists;

Australia Hazardous Substances
Australia Inventory of Chemical Substances (AICS)
International Council of Chemical Associations (ICCA) - High Production Volume List
OECD Representative List of High Production Volume (HPV) Chemicals

naphtha petroleum, heavy, hydrodesulfurised (CAS: 8052-41-3) is found on the following regulatory lists;

Australia Exposure Standards
Australia Hazardous Substances
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 Council of Chemical Associations (ICCA) - High Production Volume List
OECD Representative List of High Production Volume (HPV) Chemicals

Section 16 - OTHER INFORMATION

INGREDIENTS WITH MULTIPLE CAS NUMBERS

Ingredient Name	CAS
zinc phosphate	7779- 90- 0, 7543- 51- 3
white spirit	8052- 41- 3, 8042- 47- 5
naphtha petroleum, heavy, hydrodesulfurised	64742- 82- 1, 8052- 41- 3

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

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Section 16 - OTHER INFORMATION

reported Hazards are Risks in the workplace or other settings.

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