

# WATTYL SEAPRO WGR (FOR GELCOAT)

Chemwatch Material Safety Data Sheet

Issue Date: 18-Mar-2008

XC9317EC

CHEMWATCH 6608-76

Version No:3

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## Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NAME

WATTYL SEAPRO WGR (FOR GELCOAT)

### SYNONYMS

"Product Code: 200012"

### PROPER SHIPPING NAME

METHYL ETHYL KETONE

### 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. Wax and grease remover.

### 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

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

### POISONS SCHEDULE

S5

### RISK

Risk Codes	Risk Phrases
R11	Highly flammable.
R36/37	Irritating to eyes and respiratory system.
R65	HARMFUL- May cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness and cracking.
R67	Vapours may cause drowsiness and dizziness.

### SAFETY

Safety Codes	Safety Phrases
S36	Wear suitable protective clothing.
S51	Use only in well ventilated areas.
S401	To clean the floor and all objects contaminated by this material use water and detergent.
S13	Keep away from food drink and animal feeding stuffs.
S46	If swallowed IMMEDIATELY contact Doctor or Poisons Information Centre. (show this container or label).
S60	This material and its container must be disposed of as hazardous waste.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
methyl ethyl ketone	78-93-3	> 60

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

continued...

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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.
- If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.

### 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.
- Lay patient down. Keep warm and rested.

### NOTES TO PHYSICIAN

for simple ketones:

-----  
**BASIC TREATMENT**  
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- Establish a patent airway with suction where necessary.
  - Watch for signs of respiratory insufficiency and assist ventilation as necessary.
- Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically.

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## Section 5 - FIRE FIGHTING MEASURES

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### EXTINGUISHING MEDIA

- Alcohol stable 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 (CO<sub>2</sub>), 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: 2[Y]E

Personal Protective Equipment

Chemical splash suit.

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## Section 6 - ACCIDENTAL RELEASE MEASURES

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### EMERGENCY PROCEDURES

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## 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.

## Section 7 - HANDLING AND STORAGE

### PROCEDURE FOR HANDLING

DO NOT allow clothing wet with material to stay in contact with skin.

- 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.
- Ketones in this group are reactive with many acids and bases liberating heat and flammable gases (e.g., H<sub>2</sub>).
- Ketones react with reducing agents such as hydrides, alkali metals, and nitrides to produce flammable gas (H<sub>2</sub>) and heat.

### 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 ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>
Australia Exposure Standards	methyl ethyl ketone (Methyl ethyl ketone (MEK))	150	445	300	890

### PERSONAL PROTECTION

#### RESPIRATOR

Type A 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.

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Thin clear highly flammable liquid with a sharp penetrating odour; partially miscible with water.

### PHYSICAL PROPERTIES

Liquid.

Does not mix with water.

Floats on water.

Molecular Weight: Not applicable  
Melting Range (°C): Not available  
Solubility in water (g/L): Immiscible  
pH (1% solution): Not applicable.  
Volatile Component (%vol): 100  
Relative Vapour Density (air=1): > 2.0  
Lower Explosive Limit (%): Not available  
Autoignition Temp (°C): Not available  
State: Liquid

Boiling Range (°C): 78 approx  
Specific Gravity (water=1): 0.81 @ 20 C  
pH (as supplied): Not applicable  
Vapour Pressure (kPa): Not available  
Evaporation Rate: Fast  
Flash Point (°C): - 7  
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

HARMFUL- May cause lung damage if swallowed.

Irritating to eyes and respiratory system.

Vapours may cause dizziness or suffocation.

Vapours may cause drowsiness and dizziness.

#### CHRONIC HEALTH EFFECTS

Repeated exposure may cause skin dryness and cracking.

### TOXICITY AND IRRITATION

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

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 the epidermis.

Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound.

#### METHYL ETHYL KETONE:

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

#### TOXICITY

Oral (rat) LD50: 2737 mg/kg

Inhalation (human) TClO: 100 ppm/5 m

Inhalation (rat) LD50: 23500 mg/m<sup>3</sup>/8 hr

Dermal (rabbit) LD50: 6480 mg/kg

Inhalation (man) TClO: 10 mg/m<sup>3</sup>/6 hr - Mild

Inhalation (rat) LC50: 50100 mg/m<sup>3</sup>/8 hr

Dermal (rabbit) LD50: 20000 mg/kg

#### IRRITATION

Eye (human): 350 ppm - Irritant

Eye (rabbit): 80 mg - Irritant

Skin (rabbit): 402 mg/24 hr - Mild

Skin (rabbit): 13.78mg/24 hr Open

MATERIAL

CARCINOGEN

REPROTOXIN

SENSITISER

SKIN

methyl ethyl  
ketone

ILOEI

#### REPROTOXIN

ILOEI: ILO Chemicals in the electronics industry that have toxic effects on reproduction: methyl ethyl ketone

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Section 11 - TOXICOLOGICAL INFORMATION

## Section 12 - ECOLOGICAL INFORMATION

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

## 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: 2[Y]E

UNDG:  
Dangerous Goods Class: 3 Subrisk: None  
UN Number: 1193 Packing Group: II  
Shipping Name: METHYL ETHYL KETONE

**Air Transport IATA:**  
ICAO/IATA Class: 3 ICAO/IATA Subrisk: None  
UN/ID Number: 1193 Packing Group: II  
Special provisions: None  
Cargo Only  
Packing Instructions: Maximum Qty/Pack: 60 L  
Passenger and Cargo Packing Instructions: 305 Passenger and Cargo Maximum Qty/Pack: 5 L  
Limited Quantity Packing Instructions: Y305 Passenger and Cargo Limited Quantity Maximum Qty/Pack: 1 L  
Shipping Name: ETHYL METHYL KETONE

**Maritime Transport IMDG:**  
IMDG Class: 3 IMDG Subrisk: None  
UN Number: 1193 Packing Group: II  
EMS Number: F- E, S- D Special provisions: None  
Limited Quantities: 1 L  
Shipping Name: ETHYL METHYL KETONE (METHYL ETHYL KETONE)

## Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE: S5

### REGULATIONS

Wattyl Seapro WGR (for Gelcoat) (CAS: None):

No regulations applicable

methyl ethyl ketone (CAS: 78-93-3) is found on the following regulatory lists;

- Australia Exposure Standards
- Australia Hazardous Substances
- Australia High Volume Industrial Chemical List (HVICL)
- Australia Illicit Drug Reagents/Essential Chemicals - Category III
- Australia Inventory of Chemical Substances (AICS)
- Australia National Pollutant Inventory
- 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) - Appendix F (Part 3)
- Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 5
- IMO IBC Code Chapter 17: Summary of minimum requirements

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Section 15 - REGULATORY INFORMATION

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IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk

OECD Representative List of High Production Volume (HPV) Chemicals

United Nations Convention Against Illicit Traffic in Narcotic Drugs and Psychotropic Substances - Table II

United Nations List of Precursors and Chemicals Frequently used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances Under International Control - Table I

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## Section 16 - OTHER INFORMATION

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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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