

**Tikkurila Coatings Ltd**  
**Health Safety Data Sheet**

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**1 IDENTIFICATION OF THE PREPARATION AND COMPANY**

i) Product Name: Temabond WG 500 Series  
102 White Base  
Product Code: 2931 102

ii) Intended Use: Industrial Spraying  
General Industrial Coatings  
High Solids Two Component Epoxy Coating  
Mix 1:1 by Volume with WG 500 Activator (Product Code – 4056 043)

iii) Supplier....:  
Tikkurila Coatings Ltd  
(Protective Coatings), Radcliffe Road  
Bury , Lancs BL9 9NB  
Telephone...: (0161) 764 6017 or 6030 Facsimile: (0161) 764 6102

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**2 COMPOSITION/INFORMATION ON INGREDIENTS**

Name Of Substance	Concentration	Symbol	R Phrases
Xylene, mixture of isomers	1 - 10 %	Xn	R10- 20/21-38-65
n-Butanol	1 - 10%	Xn	R10-22-37/38-41-67
Epoxy resin (number average molecular weight <700)	25 - 50%	Xi	R36/38-43-51/53
Diglycidyl ether of polypropylene glycol	1 - 10%	Xi	R36/38-43

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**3 HAZARDS IDENTIFICATION**

Flammable  
May cause sensitisation by skin contact  
Irritating to the eyes and skin

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**4 FIRST AID MEASURES**

General

- \* In all cases of doubt, or when symptoms persist, seek medical attention.
- \* If unconscious place in recovery position, give nothing by mouth.

Inhalation

- \* Remove to fresh air.
- \* If breathing is irregular or stopped, administer artificial respiration.

Eye Contact

- \* Immediately irrigate copiously with clean water for at least 10 minutes.

### Skin Contact

- \* Remove contaminated clothing.
- \* Wash skin thoroughly with soap and water or recognised skin cleaner.
- \* Do NOT use solvents or thinners.

### Ingestion

- \* If swallowed obtain immediate medical attention.
- \* Keep at rest.
- \* Do NOT induce vomiting.

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## 5 FIRE FIGHTING MEASURES

- \* Extinguishing Media: alcohol resistant foam, CO<sub>2</sub>, BCF, powder or water fog.
- \* Never use water jets or water from buckets etc. to fight fire.
- \* Closed packages may be cooled with water spray.

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## 6 ACCIDENTAL RELEASE MEASURES

- Exclude sources of ignition.
- Ventilate the area.
- Exclude non-essential personnel.
- Avoid breathing vapours.
- Contain/collect spillage with non-combustible absorbent materials.

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## 7 HANDLING AND STORAGE

### Handling

Persons with a history of skin sensitisation problems should NOT be employed where this product is used unless under appropriate medical supervision.

Vapours are heavier than air & may be spread along floors.

Keep the container tightly closed.

Isolate from sources of heat, sparks and open flame.

Avoid: - skin and eye contact/inhalation of vapour and mist.

Guide pack weight: [5 ltr = 10 Kgs] [20 ltr = 36 Kgs] [25 ltr = 45 Kgs]

### Storage

HSE guidance note Storage of Flammable Liquids in Containers, HS(G)51 should be observed.

HSE guidance note: Storage of Packed Dangerous Substances HS(G)71 should be observed.

Observe the label precautions.

Separate from oxidising agents.

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## 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Persons with a history of skin sensitisation problems should be employed in processes in which this product is used only under appropriate medical supervision.

### Engineering Measures

- Provide adequate ventilation.
- Spray in booths/enclosures with sufficient ventilation to prevent mist escaping to surrounding area.
- Respiratory protective equipment should be worn by spray booth operators.

Occupational Exposure Limits (OEL's) - Expressed as milligrams/cubic metre.

Those marked "REC" are unofficial limits for guidance only.

Substance	VIR	8hr TWA	15 Min STEL	Type	Skin Notes
Xylene, mixture of isomers	V	441.000	662.000	OES	Y
n-Butanol	V		154.000	OES	Y
Inhalable dusts	I	10.000		OES	N
Respirable Dusts	R	4.000		OES	N

**VIR:** – Vapour = V, Inhalable Dust = I, Respirable Dust = R.

### **Personal Protection**

Personal protective equipment (PPE), must meet the requirements of the COSHH regulations.

#### Respiratory Protection

Air fed respiratory protection should be worn when product sprayed and exposure of the sprayer cannot be controlled below OES.

Wet sanding should be used wherever possible.

If exposure to dust cannot be avoided by local exhaust ventilation, suitable respiratory protective equipment should be used.

#### Hand Protection

Gloves conforming to Use of PPE Regulations should be worn.

#### Eye Protection

Eye protection conforming to Use of PPE Regulations should be worn.

#### Skin Protection

Clothing conforming to Use of PPE Regulations should be worn.

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## **9 PHYSICAL AND CHEMICAL PROPERTIES**

a) Physical State	Liquid
b) Flash Point	Between 32 & 55°C
c) Specific Gravity	1.62 + or - 0.1
d) Vapour Density	Heavier Than Air
e) Lower Explosion Limit	0.8%
f) Solubility in Water	Immiscible with Water
g) VOC G's/Lt Compliance	193
h) VOC G's/Lt Actual	193.29

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## **10 STABILITY AND REACTIVITY**

Stable under recommended storage and handling conditions.

Decomposition products are carbon monoxide, carbon dioxide, smoke and oxides of nitrogen.

Keep away from oxidising agents, alkali and acid.

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## **11 TOXICOLOGICAL INFORMATION**

No data on product itself, however: -

Exposure to organic solvent vapours may result in adverse health effects on mucous membrane, respiratory system, renal and central nervous systems.

Symptoms include headaches, dizziness, fatigue, muscular weakness, drowsiness, and in extreme cases loss of consciousness.

COSHH requires that persons exposed to respiratory sensitizers are subject to appropriate health surveillance.

Substances used within this product have irritant properties.

Prolonged or repeated contact with skin/mucous membrane may result in symptoms such as redness, blistering or dermatitis.

Splashes in eyes may cause irritation.

Inhalation of droplets/aerosols may irritate respiratory tract.

Ingestion may lead to severe respiratory difficulties, stimulation of central nervous system and in extreme cases unconsciousness.

Cases of allergic skin reaction have been observed.

Repeated or prolonged contact may result in non-allergenic contact dermatitis and absorption through the skin.

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## **12 ECOLOGICAL INFORMATION**

Air Pollution Control or Integrated Pollution Control regulations made under the Environmental Protection Act may apply.

Do not allow to enter drains or water courses.

This product contains a substance which is: -

R51 – Toxic to aquatic organisms.

R53 – May cause long-term adverse effects in the aquatic environment.

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### 13 DISPOSAL CONSIDERATIONS

In accordance with Control of Pollution Act 1974 and Environmental Protection Act 1990.  
Special Waste Regulations apply.

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### 14 TRANSPORT INFORMATION

	<u>CDG-CPL</u>	<u>ADR</u>	<u>IMDG</u>
Class Number:	3	3	3.3
Subsidiary Hazard Code:	NUL	NUL	NUL
Item Number:		31'(c)	
Packing Group:	III		III
Proper Shipping Name:	Paint		
UN Number:	1263		
Marine Pollutant:	No		

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### 15 REGULATORY INFORMATION

Classified and labelled for supply in accordance with the Chemicals (Hazard Information and Packaging) Regulations 1994 as follows:

**Health: Xn, Xi Harmful & Irritant**

**Physico-Chemical: F - Flammable**

R10 Flammable

R36/38 Irritating to the eyes and skin

R43 May cause sensitisation by skin contact

S23c Do not breathe vapour or spray mist.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S42 During spraying wear suitable respiratory equipment.

S43a In case of fire, use alcohol resistant foam, CO2, BCF, powder or water fog.

S7/9 Keep container tightly closed and in a well ventilated place.

**\* The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by health and safety legislation.**

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### 16 OTHER INFORMATION

**\* Do not use for purposes other than those shown in Section 1 without referring to the supplier.**

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**END OF DATA SHEET**

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*Tikkurila Coatings Ltd*  
*Health Safety Data Sheet*

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## 1 IDENTIFICATION OF THE PREPARATION AND COMPANY

i) Product Name: Temabond WG 500 Activator

Product Code: 4056 043

ii) Intended Use: Industrial Spraying

Activator for two component system  
High Solids Two Component Epoxy Coating  
Mix 1:1 by Volume with WG 500 Base

iii) Supplier....:

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## 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name Of Substance	Concentration	Symbol	R Phrases
Xylene, mixture of isomers	10 - 25 %	Xn	R10- 20/21-38-65
Benzyl alcohol	1 - 10%	Xn	R20/22
bis(Aminomethyl) octahydroindene	1 - 10%	C	R21/22-34-43
Amine-epoxy resin adduct	1 - 10%	Xi	R38-41

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## 3 HAZARDS IDENTIFICATION

Flammable

May cause sensitisation by skin contact

Harmful by inhalation

Harmful: May cause lung damage if swallowed

Irritating to the eyes and skin

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## 4 FIRST AID MEASURES

### General

\* In all cases of doubt, or when symptoms persist, seek medical attention.

\* If unconscious place in recovery position, give nothing by mouth.

### Inhalation

\* Remove to fresh air.

\* If breathing is irregular or stopped, administer artificial respiration.

### Eye Contact

\* Immediately irrigate copiously with clean water for at least 10 minutes.

### Skin Contact

- \* Remove contaminated clothing.
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- \* Do NOT use solvents or thinners.

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## 7 HANDLING AND STORAGE

### Handling

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Keep the container tightly closed.

Isolate from sources of heat, sparks and open flame.

Avoid: - skin and eye contact/inhalation of vapour and mist.

Guide pack weight: [5 ltr = 9 Kgs] [20 ltr = 32 Kgs] [25 ltr = 39 Kgs]

### Storage

HSE guidance note Storage of Flammable Liquids in Containers, HS(G)51 should be observed.

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- R10 Flammable
- R20 Harmful by inhalation
- R65 Harmful: May cause lung damage if swallowed
- R36/38 Irritating to the eyes and skin
- R43 May cause sensitisation by skin contact
  
- S23c Do not breathe vapour or spray mist.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S36/37 Wear suitable protective clothing and gloves
- S42 During spraying wear suitable respiratory equipment.
- S43b In case of fire, use foam, CO2, BCF, powder or water fog.

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