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## 1 IDENTIFICATION OF THE PREPARATION AND COMPANY

i) Product Name: TEMAZINC 50 BASE.

Product Code: 3343005

ii) Intended Use: Industrial Spraying

High Build Epoxy Zinc Rich Primer

Two pack Epoxy Zinc Rich Primer Base Component

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	10-25 %	Xn	R10- 20/21-38
1-Methoxy-2-propanol	1-10 %		R10

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## 3 HAZARDS IDENTIFICATION

Flammable

Harmful by inhalation and contact with 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, CO2, 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**

- \* Vapours are heavier than air & may spread along floors.
- \* Keep the container tightly closed.
- \* Atmospheric humidity or water may result in pressurisation, take care when re-opening partly used containers.
- \* Isolate from sources of heat, sparks and open flame.
- \* Avoid:-skin and eye contact/inhalation of vapour and mist.
- \* Guide pack weight:[5 Ltr= 14 Kgs] [20 Ltr= 53 Kgs] [25 Ltr= 66 Kgs]

#### **Storage**

- \* Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972. applies.
  - \* HSE guidance note: Storage of Packaged Dangerous Substances HS(G)71 should be observed.
  - \* Observe the label precautions.
  - \* Separate from oxidising agents.
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## **8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Engineering Measures**

- \* Provide adequate ventilation.
- \* If ventilation insufficient to maintain concentrations below relevant OEL's, suitable respiratory protective equipment should be worn.

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

\* Those marked "REC" are unofficial limits provided for guidance only.

Substance	VIR	8hr TWA	15 Min STEL	Type	Skin	Notes
Xylene, mixture of isomers	V	435.000	650.000	OES	Y	
1-Methoxy-2- propanol	V	360.000	1080.000	OES	Y	
Inhalable Dusts	I	10.000		OES	N	
Respirable Dusts	R	5.000		OES	N	

V=Vapour, I=Inhalable dust, R=Respirable dust

#### 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.

\* 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

	Property	Value
a	Physical State	Viscous Liquid
b	Flash Point	Between 21 & 32 oC
c	Specific Gravity	2.47 + 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	410
h	VOC G's/Lt Actual	409.61

## 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, acid, amine, water and alcohols.

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## 11 TOXICOLOGICAL INFORMATION

\* No data available 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.

\* Repeated or prolonged contact may result in non-allergic 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.

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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

	CDG- CPL	ADR	IMDG
Class Number	3	3	3.3
Subsidiary Hazard Code	NUL	NUL	NUL
Item Number		31(c)	
Packing Group	III		III
Proper Shipping Name : Paint	U.N. 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:-**

<b>HEALTH</b>	<b>Xn</b>	<b>Harmful</b>	
<b>PHYSICO-CHEMICAL</b>	<b>F-</b>	<b>Flammable</b>	

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R10	Flammable
R20/21	Harmful by inhalation and contact with skin
S23c	Do not breathe vapour or spray mist
S18	Handle and open container with care
S36	Wear suitable protective clothing
S42	During spraying wear suitable respiratory equipment
S43a	In case of fire, use alcohol-resistant foam, CO2, BCF, powder or water fog

**\* 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.**
  - \* Read this data sheet in conjunction with: Tikkurila Coatings Ltd Health & Safety booklet.**
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***END OF DATA SHEET***

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**1 IDENTIFICATION OF THE PREPARATION AND COMPANY**

i) Product Name: TEMAZINC 50 ACTIVATOR.

Product Code: 4050053

ii) Intended Use: Industrial Spraying  
 Activator Component for 2 Pack Systems  
 Two Pack Epoxy Zinc Primer Activator Component

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

**2 COMPOSITION/INFORMATION ON INGREDIENTS**

Name Of Substance	Concentration	Symbol	R Phrases
Xylene, mixture of isomers	50-100%	Xn	R10- 20/21-38
1-Methoxy-2-propanol	1-10 %		R10
Triethylenetetramine	1-10 %	C	R21-34-43-52/53
Fatty acid/polyethylene amine condensate.	25-50 %	Xi	R36-38

**3 HAZARDS IDENTIFICATION**

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

**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, CO2, 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 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 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= 6 Kgs] [20 Ltr= 22 Kgs] [25 Ltr= 27 Kgs]

#### **Storage**

- \* Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972. applies.
  - \* HSE guidance note: Storage of Packaged Dangerous Substances HS(G)71 should be observed.
  - \* Observe the label precautions.
  - \* Separate from oxidising agents.
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## **8 EXPOSURE CONTROLS/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 provided for guidance only.

Substance	VIR	8hr TWA	15 Min STEL	Type	Skin	Notes
Xylene, mixture of isomers	V	435.000	650.000	OES	Y	
1-Methoxy-2- propanol	V	360.000	1080.000	OES	Y	
Triethylenetetramine	V	6.000	18.000	REC	Y	
Inhalable Dusts	I	10.000		OES	N	
Respirable Dusts	R	5.000		OES	N	

V=Vapour, I=Inhalable dust, R=Respirable dust

#### 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.

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#### 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

	<b>Property</b>	<b>Value</b>
a	Physical State	Liquid
b	Flash Point	Between 21 & 32 oC
c	Specific Gravity	0.91 + or - 0.05
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	546
h	VOC G's/Lt Actual	545.59

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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 available 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 sensitisers, 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-allergic 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.

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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

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	CDG- CPL	ADR	IMDG
Class Number	3	3	3.3
Subsidiary Hazard Code	NUL	NUL	NUL
Item Number		31'(c)	
Packing Group	III		III
Proper Shipping Name : Paint	U.N. 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:-

<b>HEALTH</b>	<b>Xn,Xi</b>	<b>Harmful &amp; Irritant</b>	
<b>PHYSICO-CHEMICAL</b>	<b>F-</b>	<b>Flammable</b>	

R10	Flammable
R43	May cause sensitisation by skin contact
R20	Harmful by inhalation
R36/38	Irritating to the eyes and skin
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
S43a	In case of fire, use alcohol-resistant foam, CO2, BCF, powder or water fog

**\* 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.**

**\* Read this data sheet in conjunction with: Tikkurila Coatings Ltd Health & Safety booklet.**

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***END OF DATA SHEET***

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