

1 IDENTIFICATION OF THE PREPARATION AND COMPANY

i) Product Name: Temazinc 99

GREY BASE

Product Code: 3343001

ii) Intended Use: Industrial Spraying

High Build Epoxy Zinc Rich Primer

TWO PACK EPOXY METALLIC ZINC RICH PRIMER Mix: 4:1 by Volume

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

3 HAZARDS IDENTIFICATION

Flammable

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= 17 Kgs] [20 Ltr= 65 Kgs] [25 Ltr= 80 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 | 3.05 + 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 | 411 |
| h | VOC G's/Lt Actual | 411.25 |

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.

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

15 REGULATORY INFORMATION

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

| | | | |
|-------------------------|-----------|-----------------------|--|
| HEALTH | | Not Classified | |
| PHYSICO-CHEMICAL | F- | Flammable | |

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|------|--|
| R10 | Flammable |
| S23c | Do not breathe vapour or spray mist |
| S51 | Use only in well ventilated areas |
| S18 | Handle and open container with care |
| 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.**

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.**

END OF DATA SHEET

1 IDENTIFICATION OF THE PREPARATION AND COMPANY

i) Product Name: Temazinc 99

CLEAR ACTIVATOR

Product Code: 4050052

ii) Intended Use: Industrial Spraying

Activator Component for 2 Pack Systems

TWO PACK EPOXY METALLIC ZINC RICH PRIMER Mix: 4:1 by Volume

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.
-

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.

Tikkurila Coatings Ltd

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.
-

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.
-

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.
-

9 PHYSICAL AND CHEMICAL PROPERTIES

| | Property | Value |
|---|-----------------------|-----------------------|
| 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 |

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.
-

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.
-

13 DISPOSAL CONSIDERATIONS

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

14 TRANSPORT INFORMATION



Tikkurila Coatings Ltd

| | 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

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 |
| 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 |

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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
