

HEALTH AND SAFETY**PLASMET GALVCOAT****SHEET 1 OF 4****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: Plasmec Galvcoat
 Company Name: Corrocoat Limited
 Company Address: Forster Street, Leeds, West Yorkshire LS10 1PW
 Company Telephone: +44 (0) 113 2760760
 Company Fax: +44 (0) 113 2760700
 Emergency Telephone: +44 (0) 1652641124

LOCAL CONTACT:

Company Name: Corrocoat Engineering (Aust) Pty Ltd
 Company Address: 21 Sorbonne Cres, Canning Vale W A 6155
 Company Telephone: +61 (8) 9472 2500
 Company Fax: +61 (8) 9472 2525
 Australia Wide: 1 300 72 8887

2. CONTENTS AND HAZARDOUS COMPONENTS

Chemical Name: Synthetic polymer industrial coating: containing xylene and aromatic hydrocarbons.

Hazardous Components:

<u>Name</u>	<u>Concentration</u>	<u>Cas N^o</u>	<u>Risk Phrases</u>
Xylene	20 - 25%	1330-20-7	R10, R20/21, R38
Aromatic Hydrocarbon	5 - 8%	64742-95-6	R10, R37, R51/53, R65
Zinc Phosphate	5 - 8%	7779-90-0	R50/53

3. HAZARD IDENTIFICATION

Specific Hazard: Harmful Xn
 Physical Hazard: Flammable
 Environmental Hazard: Harmful to the environment

4. FIRST AID

Eye Contact: Wash out with clean water immediately for at least 10 minutes. Seek medical assistance.
 Skin Contact: Wash with soap and water/suitable industrial hand cleaner. Remove contaminated clothing, launder before re-use.
 Inhalation: Remove patient to fresh air, rest and loosen clothing. Seek medical advice if difficulties persist.
 Ingestion: Do not induce vomiting, get medical assistance.

5. FIRE FIGHTING PRECAUTIONS

Extinguishing Media: Chemical foam, dry chemicals, water spray or carbon dioxide.
 Special Fire Fighting Procedures: Wear self-contained breathing apparatus.
 Unusual Fire Hazards: Vapour will form an explosive mixture with air.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective equipment
 Environmental Precautions: Prevent discharge of product to sewers, surface or ground water and soil.
 Recovery: Extinguish ignition sources immediately. If considered necessary, chemical foam may be applied over the spillage to reduce the risk prior to clean up. Collect product and place in a sealable container. Absorb any residues using soil, sand or absorbent material. Seal in container. Quarantine all such product, clearly identifying contents. See Section 13 for disposal regulations.

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HEALTH AND SAFETY**PLASMET GALVCOAT****SHEET 2 OF 4****7. HANDLING AND STORAGE**

Prevention of Worker Exposure:	Adequate ventilation is required in the working area.
Fire Precautions:	Remove all ignition sources, no smoking, ensure spray pumps are earthed prior to use.
Suitable Storage:	In closed containers, away from direct sun or heat. Temperatures below 24°C are recommended to prevent shelf life problems. Store away from ignition sources.
Incompatible Materials:	None known.

8. EXPOSURE LIMITS/PERSONAL PROTECTION

Product Name:	Xylene
Exposure Limits:	8 Hours 50 ppm
(WEL)	15 Minutes 100 ppm
Product Name:	Aromatic hydrocarbon
Exposure Limits:	8 Hours 150 mg/m ³
(OEL(sol))	

NOTE: Exposure standards quoted are UK limits and may vary dependent upon location.

Effects of Overexposure to Product: A moderate irritant to the skin. A severe irritant to the eyes. High concentrations are an irritant to the respiratory system, and can induce drowsiness and eventually unconsciousness.

PERSONNEL PROTECTIVE EQUIPMENT

Respiratory Protective Equipment:	Respiratory protection must be worn for all spray applications and in areas of poor ventilation. Local exhaust ventilation may be used to keep exposure at an acceptable level.
Hand Protection:	Solvent resistant gloves.
Eye Protection:	Face shield or safety eye protection.
Body Protection:	Cotton overalls. During spray application this may be supplemented with a paper suit or carbon impregnated suit. Full PVC chemical suits are not normally required or desirable.

9. PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Viscous liquid
Colour:	Grey. May be prepared in different colours when required (hazard data remains unaffected).
Odour:	Aromatic odour of xylene.
Boiling Point:	Greater than 100°C
Flash Point:	32°C
Auto Ignition Temperature:	480°C
Explosion/Flammability Limits in Air: (Not known for product itself)	
Values for xylene:	
Lower Explosive Limit:	1.1% by volume (11000 ppm)
Upper Explosive Limit:	7.0% by volume (70000 ppm)
Values for aromatic hydrocarbon:	
Lower Explosive Limit:	1.0% by volume (10000 ppm)
Upper Explosive Limit:	7.5% by volume (75000 ppm)
Vapour pressure:	
Xylene:	933 Pa, (7mm Hg) at 20°C
Aromatic hydrocarbon:	194 Pa, (2mm Hg) at 20°C
Density:	1.56 g/cm ³
Solubility in water:	Insoluble
Solubility in organics:	Soluble in most aromatic and aliphatic solvents
VOC Level:	399 g/litre
Percentage Volatile by volume:	38.4%
Percentage Solids:	72.68% by weight

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Stability: Stable under normal storage conditions
 Conditions to Avoid: Direct sunlight, heat
 Unstable and reacts when mixed with: None known

11. TOXICOLOGY INFORMATION (Not established for product but for raw material feed stocks)ACUTE INFORMATION

Ingestion: Ingestion may cause vomiting, nausea, dizziness and unconsciousness, however minute amounts aspirated into the lungs during ingestion or vomiting may cause severe pulmonary injury.
 Skin: Can be absorbed through the skin causing systemic effects.
 Inhalation: Harmful by inhalation. Inhalation of vapour may result in central nervous system defects - dizziness, headache, fatigue, lack of co-ordination and unconsciousness.

IRRITANT:

Skin: Liquid is irritating to skin. Prolonged and repeated skin contact will cause defatting of skin resulting in dryness and cracking, ultimately leading to dermatitis.
 Eyes: High concentrations of vapour will irritate eyes. Liquid is irritating to the eyes.
 Inhalation: High concentrations of vapour will irritate respiratory tract

OTHER EFFECTS:

Repeated high dose exposure of animals produced effects on the liver and the kidney.

12. ECOLOGICAL INFORMATION

(Not established for product, but for raw material feed stocks)

Degradation: Most components are of low or non-biodegradability, however the aromatic hydrocarbon component is readily biodegradable.

Aquatic Toxicity: Aromatic hydrocarbon component is expected to be toxic to aquatic organisms.
 Xylene: LC₅₀ for rainbow trout (96h static) is 2.6 to 8.4 mg/l, EC₅₀ for daphnia magna (24h) is 1.0 to 4.7 mg/l
 Zinc Phosphate: Fish (Oncorhynchus mykiss) LC₅₀ (96h) is 0.14 to 2.6 Zn²⁺ mg/l, Crustacea (daphnia magna) EC₅₀ (48h) is 0.04 to 0.86Zn²⁺ mg/l, Algae (Selenastrum Capricornutum) EC₅₀ (72h) is 0.136 to 0.150 Zn²⁺ mg/l.

Possible Environmental Impact: Toxic to aquatic organisms. Do not discharge into drains or the environment, dispose to certified waste disposal authority. Moderately toxic to mammalian wildlife.

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Measures for Disposal: Dispose of all waste in accordance with local regulations. Normally this would involve incineration of liquid waste and controlled landfill for polymerised matter.

14. TRANSPORT INFORMATION**SEA (IMDG)**

Proper Shipping Name: Paint
 UN Number: 1263
 Class: 3
 Packing Group: III
 Marine Pollutant: No

AIR (ICAO/IATA)

Proper Shipping Name: Paint
 UN Number: 1263
 Class: 3
 Packing Group: III

LAND

Proper Shipping Name: Paint
 Class: 3

15. REGULATORY INFORMATION

EEC Regulations: EEC Labelling
 Risk Phrases: R10 Flammable
 R20/21 Harmful by inhalation and in contact with skin.
 R36/37/38 Irritating to the eyes, skin and respiratory system.
 R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
 Safety Phrases: S23 Do not breathe vapour
 S24/25 Avoid contact with skin and eyes
 S61 Avoid release to the environment. Refer to special instructions/safety data sheet
 Symbols: Xn Harmful
 F Flammable

16. OTHER INFORMATION

List of R-phrases used in Section 2, but not in Section 15
 R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
 R65 Harmful: may cause lung damage if swallowed.

Note: This information is offered in good faith, but without guarantee or liability. Further information regarding application and the product is available in the Corrocoat manual. Should further information be required consult Corrocoat Technical Services.

Reviewed 03/2011

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