

# HEALTH AND SAFETY

## PLASMET Z-GALV ACTIVATOR

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Plasmet Z-Galv Activator  
 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)1652 641124

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Amino polyamide solution dissolved in mixed solvents.  
 Hazardous Components:

<u>Name</u>	<u>Concentration</u>	<u>CAS N<sup>o</sup></u>	<u>Risk Phrases</u>
Xylene	10 - 30%	1330-20-7	R10, R20/21, R38
Toluene	10 - 30%	108-88-3	R11, R38, R48/20, R63, R65, R67
Iso Propyl Alcohol	1 - 5%	67-63-0	R11, R36, R67
Organosilane	1 - 5%	919-30-2	R22, R34

#### 3. HAZARD IDENTIFICATION

Specific hazard: Harmful Xn  
 Physical hazard: Highly Flammable  
 Highly Flammable, harmful by inhalation and contact with skin and if swallowed, irritating to eyes and skin. Harmful: danger of serious damage to health by prolonged exposure by inhalation.

#### 4. FIRST AID

Eye Contact: Wash out with clean water immediately for at least 10 minutes. Seek medical assistance immediately.  
 Skin Contact: Wash immediately 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, treat symptomatically.  
 Ingestion: Do not induce vomiting, give large quantities of water and seek medical advice immediately.

#### 5. FIRE FIGHTING PRECAUTIONS

Extinguishing Media: Water spray, carbon dioxide, dry chemical, alcohol-resistant foam.

Special Fire Fighting Procedures: Fire fighters should wear butyl rubber boots, gloves, and body suit and a self-contained breathing apparatus.

Unusual Fire Hazards: Highly Flammable. May generate toxic, irritating or flammable combustion products.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective equipment.  
 Environmental Precautions: Prevent discharge of product to sewers, surface or ground water and soil.  
 Recovery: Sources of ignition should be extinguished immediately. Take precautionary measures against static discharges. 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 other inert absorbent material. Seal in container. Quarantine all such product, clearly identifying contents. See Section 13 for disposal regulations.

**Corrocoat Limited, Forster Street, Leeds LS10 1PW. Tel: (0113) 276 0760. Fax: (0113) 2760700**

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#### 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. Close containers after use.
Suitable Storage:	In closed containers, away from direct heat, sunlight and ignition sources.
Incompatible Materials:	Epoxy bases.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product Name:	Xylene			
Exposure Limits (WEL):	8 Hours	50 ppm	15 Minutes	100 ppm
Product Name:	Toluene			
Exposure Limits (WEL):	8 Hours	50 ppm	15 Minutes	100 ppm
Product Name:	Iso Propyl Alcohol			
Exposure Limits (WEL):	8 Hours	400 ppm	15 Minutes	500 ppm

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

Effects of Overexposure to Product: A moderate irritant on the skin and in the eyes. Exposure above WEL can cause headache, nausea, eye irritation, and impairment of co-ordination.  
With high concentrations the above symptoms are increased.

#### PERSONAL 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 below WEL.
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:	Low viscosity liquid.
Colour:	Pale straw.
Odour:	Solvent odour with faint alcohol odour.
Boiling Point:	Greater than 110 °C
Flash Point:	14 °C
Auto Ignition Temperature:	Not known
Explosion/Flammability Limits in Air	(Not known for product values)
Values for Toluene:	
Lower Explosion Limit:	1.3% by volume (13,000 ppm)
Upper Explosion Limit:	8.0% by volume (80,000 ppm)
Vapour Pressure for Toluene:	22 mm Hg at 20°C
Density:	0.91 g cm <sup>-3</sup>
Solubility in Water:	Negligible
Solubility in Organics:	Soluble in most aromatic or aliphatic hydrocarbons.
VOC Level(Base & Activator):	372 g/litre
Percentage Volatile by Volume:	61.9 %
Percentage Solids:	40.3 % (solvent free)

#### 10. STABILITY AND REACTIVITY

Stability:	Stable under normal storage conditions
Conditions to Avoid:	Direct sunlight and heat
Unstable when mixed with:	Epoxyes, oxidising acids and other oxidising agents.

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

**ACUTE INFORMATION**

Ingestion:	Oral LD50 >4000mg/kg (information mixed Xylenes).
Skin:	LD50 Dermal (rabbits) >4000mg/kg (information mixed Xylenes).
Inhalation:	At high concentrations can cause dizziness, headaches, nausea, confusion and unconsciousness.
Ingestion:	May cause discomfort and nausea if swallowed.
Skin Contact:	Irritant.
Eye Contact:	Vapour and liquid are irritating to eyes.

**12. ECOLOGICAL INFORMATION**

(Not established for material, but for raw material feedstock)

Acute toxicity for fish	LC50 (96h) 0.14 – 2.6 mg Zn <sup>2+</sup> /l
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**13. DISPOSAL CONSIDERATIONS**

Measures for Disposal:	Dispose of all waste in accordance with local and national regulations. Normally this would involve disposal as controlled landfill for polymerised matter.
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**14. TRANSPORT INFORMATION****SEA (IMDG)**

Proper Shipping Name:	Flammable Liquid N.O.S. (Contains Toluene)
UN Number:	1993
Class:	3
Packing Group:	II
Marine Pollutant:	No

**AIR (ICAO/IATA)**

Proper Shipping Name:	Flammable Liquid N.O.S. (Contains Toluene)
UN Number:	1993
Class:	3
Packing Group:	II

**LAND**

Proper Transport Name:	Flammable Liquid N.O.S. (Contains Toluene)
UN Number:	1993
Class:	3

**15. REGULATORY INFORMATION**

EEC Regulations:	EC Labelling	
Risk Phrases:	R11	Highly Flammable
	R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
	R48/20	Harmful: danger of serious damage to health by prolonged exposure by inhalation
Safety Phrases:	S23	Do not breathe fumes/vapour/spray
	S16	Keep away from ignition sources.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
Symbols:	Xn	Harmful
	F	Highly Flammable

**16. OTHER INFORMATION**

**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 09/2010

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