

# Safety Data Sheet

## PLATINUM POLYESTER RESIN 380

Code: BC55

Date of Issue: July 2010

Version: 1



### 1. PREPARATION AND COMPANY IDENTIFICATION:

Preparation Trade Name: **PLATINUM POLYESTER RESIN 380**

Supplier: **Platinum Building Chemicals Ltd**

Address: Unit 10 Colvilles Park, Kelvin Industrial Estate, East Kilbride, Lanarkshire, G75 0GZ

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### 2. COMPOSITION/ INFORMATION ON INGREDIENTS:

<u>Component</u>	<u>CAS Number</u>	<u>Classification</u>	<u>Concentration</u>	<u>EEC No.</u>
Styrene	100-42-5	Xn; R10 R20 R36/38	10 - 15%	601-026-00-0
Dibenzoyl Peroxide	94-36-0	Xi; R22	2 - 3%	2023276
Dibutyl Phthalate	84-74-2	-	1 - 2%	2015574

### 3. HAZARD IDENTIFICATION:

**Note:** In use the product presents minimal risk as the material is largely contained within the cartridge system.

**Flammable:** Harmful by inhalation; irritating to eyes and skin ; may cause sensitisation by skin contact.

### 4. FIRST AID MEASURES:

**Inhalation:** Move to fresh air, rest, half upright position, loosen clothing. Seek medical advice after significant exposure.

**Skin Contact:** In case of skin contact wipe off mechanically, and wash affected areas thoroughly with soap and water.

**Eye Contact:** Rinse carefully and thoroughly with water and seek medical advice.

**Ingestion:** DO NOT INDUCE VOMITING because of risk of aspiration. Seek medical advice.

### 5. FIRE FIGHTING MEASURES:

**Suitable Extinguishing Media:** Use extinguishing media appropriate to the surrounding fire conditions.

**Unsuitable Extinguishing Media:** Halones.

**Exposure Hazards:** If involved in a fire, it will support combustion. Do not breath fumes. Wear suitable protective clothing. Cool closed containers with water.

### 6. ACCIDENTAL RELEASE MEASURES:

**Personal Protection:** Ensure adequate ventilation of the working area.

**Environmental Precautions:** Do not allow product to enter drains. Collect as much as possible in a clean container for re-use or disposal.

**Clean Up Methods:** Sweep up into inert containers. Absorb the remainder with dry sand.

### 7. HANDLING AND STORAGE:

**Handling:** Observe the necessary precautionary measure for styrene. Ensure adequate ventilation. Do not inhale vapour. Avoid contact with skin and eyes.

**Storage:** Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Store above 5°C.

## 8. EXPOSURE CONTROLS:

### Exposure Limits:

Styrene:	100ppm or 420mg./cu.m. (8h T.W.A.)
Dibenzoyl Peroxide:	5ml/cu.m. (8h T.W.A.)

**Hand/Skin Protection:** PVC chemical resistant gloves.

**Respiratory Protection:** Respirator if ventilation is judged to be insufficient .

**Eye Protection:** Safety goggles (e.g. EN 166).

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## 9. PHYSICAL AND CHEMICAL PROPERTIES:

	<u>Base</u>	<u>Catalyst</u>
<b>Appearance:</b>	Paste	Paste
<b>Odour:</b>	Characteristic Styrene	Faint
<b>Density:</b>	1.49 Typical	1.19 Typical
<b>Flashpoint:</b>	32°C	Above SADT
<b>Ignition:</b>	490°C	380°C
<b>Viscosity:</b>	Thixotropic	Thixotropic
<b>SADT:</b>	-	50°C
<b>Explosive Limits:</b>	1.1 % by Volume (Lower) 8.0 % by Volume (Upper)	- -
<b>Melting Point:</b>	N/A	N/A
<b>Boiling Point:</b>	145°C	Decomposes
<b>Oxidisation Properties:</b>	N/A	N/A
<b>Autoflammability:</b>	-	-
<b>Vapour Pressure:</b>	7m.bar @ 20°C	-
<b>Solubility In Water:</b>	Insoluble	Insoluble

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## 10. STABILITY AND REACTIVITY:

Stable under normal conditions.

**Thermal Decomposition:** The catalyst undergoes self accelerating decomposition at and above 50°C.

**Conditions to Avoid:** Temperatures above 30°C; exposure to direct sunlight / naked flame.

**Materials to Avoid:** Direct contact with acids, alkalis, reducing agents, or heavy metal salts.

**Hazardous Decomposition Products:** Not determined.

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## 11. TOXICOLOGICAL INFORMATION:

**LD 50:** Acute oral toxicity in rats : 5,000 mg. / Kg.

**Special Properties:** In high concentration styrene has irritating effects on eyes and mucous membranes. Skin contact may cause skin irritation

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## 12. ECOLOGICAL INFORMATION:

Prevent contamination of soil. Drains or surface water.

(Styrene) Acute bacterial toxicity; ECOO = 72 m / l

(Catalyst) Acute toxicity (fish) 96h – Lc50 = 2.0 mg/L (Poecilia Reticulata )

(Styrene) Acute toxicity (fish) 48h – Lc50 = 17mg/L ( leuciscus Idus )

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## 13. DISPOSAL CONSIDERATIONS:

Controlled incineration according to local authority regulations.

#### 14. TRANSPORT INFORMATION:

Store away from foodstuffs

**RID /ARD:** Class RN No. 301D  
**IMDG / Code:** 3.3, Un 1866 (Page 3379)  
**IATA:** 3, 1866 III  
**Flashpoint:** 32°C (Styrene)  
**Flammable:** Marine pollutant; Irritating skin and eyes; harmful by inhalation.

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#### 15. REGULATORY INFORMATION:

Contains Resin solution in flammable solvent (Styrene)

**Symbol:** Xn; Harmful  
**R Phrases:** R10 - Flammable  
R20 - Harmful by irritation  
R36/38 - Irritating to eyes and skin  
**S Phrases:** S23 - Do not breathe vapour

The product is supplied in sealed containers. Although there is no requirement in normal use to work with the constituent raw materials, they are subject to occupational exposure limits ( OEL ) or occupational exposure standards ( OES ) as follows :

Substance	% by weight	Long term exposure limit (Sh TWA)	Short term exposure limit (10 min. TWA)
Styrene	10 - 15	100 ppm (420mg/cu. m.)	250ppm (1,050 mg / cu.m.)
Dibenzoyl Peroxide	2 - 3	5.0mg. / cu. m.	-

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#### 16. OTHER INFORMATION:

*The data contained in this Safety Data Sheet has been supplied as required by the Chemical (Hazard Identification and Packaging) Regulations 2002, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.*

***Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.*** This information is given in good faith, being based on the latest knowledge available to Platinum Building Chemicals. No known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designed to enable the user to use the product safely. The user should not assume on the basis of the information provided in this sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact Platinum Chemicals for further advice before the proposed application is undertaken.

Date: July 2010

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