

Revision Date 25/11/2014  
 Revision 7  
 Supersedes date 12/09/2014

# INSTARMAC

## SAFETY DATA SHEET PY4 WG POWDER

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name PY4 WG POWDER

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Uses advised against No specific uses advised against are identified.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Instarmac Group plc  
 Danny Morson Way  
 Birch Coppice Business Park  
 Dordon, Tamworth  
 Staffordshire. B78 1SE  
 United Kingdom  
 Tel: +44 (0) 1827 872244  
 Fax: +44 (0) 1827 874466  
 email@instarmac.co.uk www.instarmac.co.uk

#### 1.4. Emergency telephone number

+44(0)1827 254433  
 +44 (0)7971 217 347

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Skin Sens. 1 - H317
Environment	Not classified.

Classification (1999/45/EEC) R43.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

See section 11 for additional information on health hazards.

Environment

The product is not expected to be hazardous to the environment.

#### 2.2. Label elements

Contains DIBENZOYL PEROXIDE  
 Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Hazard Statements

H317 May cause an allergic skin reaction.

Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P501 Dispose of contents/container in accordance with local regulations.

## PY4 WG POWDER

### Supplementary Precautionary Statements

P272	Contaminated work clothing should not be allowed out of the workplace.
P261	Avoid breathing vapour/spray.
P321	Specific treatment (see medical advice on this label).
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.

### 2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

DIBENZOYL PEROXIDE  CAS-No.: 94-36-0                      EC No.: 202-327-6	1-10%
Classification (EC 1272/2008) Org. Perox. C - H242 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	Classification (67/548/EEC) Xi;R36. O;R7. E;R2. R43.
Quartz  CAS-No.: 14808-60-7                      EC No.: 238-878-4	30-60%
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
SILICA SAND  CAS-No.: 14808-60-7                      EC No.: 238-878-4	60-100%
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

Remove affected person from source of contamination. Contact physician if discomfort continues.

#### Inhalation

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

#### Ingestion

Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions. Do not give victim anything to drink if he is unconscious.

#### Skin contact

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if any discomfort continues.

#### Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed

## PY4 WG POWDER

### General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

None under normal conditions.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

Not known.

#### 5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Use protective equipment appropriate for surrounding materials.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

GENERAL. For waste disposal, see section 13.

#### 6.4. Reference to other sections

For personal protection, see section 8. Collect and dispose of spillage as indicated in section 13. See section 11 for more detailed information on health effects and symptoms.

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

No specific usage precautions noted.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store at moderate temperatures in dry, well ventilated area.

Storage Class

Unspecified storage.

#### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
Quartz	WEL		0.3 mg/m3			
SILICA SAND	WEL		0.3 mg/m3			

WEL = Workplace Exposure Limit.

Ingredient Comments

No exposure limits noted for ingredient(s).

## PY4 WG POWDER

### 8.2. Exposure controls

Protective equipment



Engineering measures

Not relevant

Respiratory equipment

No specific recommendations. Respiratory protection may be required.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Eye protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance Powder, dust

### 9.2. Other information

Not available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

No particular stability concerns.

### 10.3. Possibility of hazardous reactions

Not applicable.

Hazardous Polymerisation

Unknown.

### 10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

Materials To Avoid

No specific, or groups of materials are likely to react to produce a hazardous situation.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxicological information

No information available.

General information

No specific health warnings noted.

## PY4 WG POWDER

### Inhalation

No specific health warnings noted.

### Ingestion

May irritate and cause stomach pain, vomiting and diarrhoea.

### Skin contact

Irritating to skin.

### Eye contact

Irritating to eyes.

### Health Warnings

This chemical may cause skin/eye irritation.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

There are no data on the ecotoxicity of this product.

#### 12.1. Toxicity

No information available

#### 12.2. Persistence and degradability

No information available

##### Degradability

There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

#### 12.4. Mobility in soil

Mobility:

The product is non-volatile.

#### 12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

#### 12.6. Other adverse effects

Not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

#### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

### General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

## PY4 WG POWDER

### 14.3. Transport hazard class(es)

Not applicable.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Uk Regulatory References

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

National Regulations

Health and Safety at Work Act (As Amended) 1974 Control of Substances Hazardous to Health Regulations 2002 (as amended)

Water hazard classification

N/A.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

General information

Only trained personnel should use this material.

Issued By HS&E Manager.

Revision Date 25/11/2014

Revision 7

Supersedes date 12/09/2014

Safety Data Sheet Status Approved.

Risk Phrases In Full

R36 Irritating to eyes.

R7 May cause fire.

R43 May cause sensitisation by skin contact.

NC Not classified.

R2 Risk of explosion by shock, friction, fire or other sources of ignition.

Hazard Statements In Full

H319 Causes serious eye irritation.

H242 Heating may cause a fire.

H317 May cause an allergic skin reaction.

Revision Date 25/11/2014  
 Revision 11  
 Supersedes date 15/01/2014

# INSTARMAC

## SAFETY DATA SHEET PY4/5 RESIN

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name PY4/5 RESIN

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Uses advised against No specific uses advised against are identified.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Instarmac Group plc  
 Danny Morson Way  
 Birch Coppice Business Park  
 Dordon, Tamworth  
 Staffordshire. B78 1SE  
 United Kingdom  
 Tel: +44 (0) 1827 872244  
 Fax: +44 (0) 1827 874466  
 email@instarmac.co.uk www.instarmac.co.uk

#### 1.4. Emergency telephone number

+44 (0)7971 217 347  
 +44(0)1827 254433

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Acute Tox. 4 - H332;Skin Irrit. 2 - H315;Eye Irrit. 2 - H319
Environment	Not classified.

Classification (1999/45/EEC) Xn;R20. Xi;R36/38.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

See section 11 for additional information on health hazards.

Environment

The product is not expected to be hazardous to the environment.

#### 2.2. Label elements

Contains STYRENE

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Hazard Statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

Precautionary Statements

P271	Use only outdoors or in a well-ventilated area.
------	---

## PY4/5 RESIN

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/attention.
Supplementary Precautionary Statements	
P261	Avoid breathing vapour/spray.
P264	Wash contaminated skin thoroughly after handling.
P321	Specific treatment (see medical advice on this label).
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P332+313	If skin irritation occurs: Get medical advice/attention.
P337	If eye irritation persists:
P362	Take off contaminated clothing and wash before reuse.

### 2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

N,N-DIETHYLANILINE		< 1 %
CAS-No.: 91-66-7	EC No.: 202-088-8	
Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT RE 2 - H373 Aquatic Chronic 2 - H411	Classification (67/548/EEC) T;R23/24/25 R33 N;R51/53	
STYRENE		30-60%
CAS-No.: 100-42-5	EC No.: 202-851-5	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) R10 Xn;R20 Xi;R36/38	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

Remove affected person from source of contamination. Contact physician if discomfort continues.

#### Inhalation

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

#### Ingestion

Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions. Do not give victim anything to drink if he is unconscious. DO NOT INDUCE VOMITING!

#### Skin contact

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if any discomfort continues.

#### Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.



## PY4/5 RESIN

### 4.2. Most important symptoms and effects, both acute and delayed

#### General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation.

Upper respiratory irritation.

Ingestion

May cause stomach pain or vomiting.

Skin contact

Skin irritation.

Eye contact

Irritation of eyes and mucous membranes.

### 4.3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials. Do not use water as an extinguisher.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

None under normal conditions.

Unusual Fire & Explosion Hazards

Vapours are heavier than air and may spread near ground to sources of ignition. Solvent vapours may form explosive mixtures with air.

Specific hazards

Not known.

### 5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Use protective equipment appropriate for surrounding materials. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

GENERAL. Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers.

### 6.4. Reference to other sections

For personal protection, see section 8. Collect and dispose of spillage as indicated in section 13. See section 11 for more detailed information on health effects and symptoms.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Static electricity and formation of sparks must be prevented.

### 7.2. Conditions for safe storage, including any incompatibilities

Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame.

Storage Class

Unspecified storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## PY4/5 RESIN

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
		100 ppm	430 mg/m3	250 ppm	1080 mg/m3	
STYRENE	WEL					

WEL = Workplace Exposure Limit.

## Ingredient Comments

No exposure limits noted for ingredient(s).

8.2. Exposure controls

## Protective equipment



## Process conditions

Provide eyewash, quick drench.

## Engineering measures

Provide adequate ventilation.

## Respiratory equipment

Wear suitable respiratory protection.

## Hand protection

Use suitable protective gloves if risk of skin contact.

## Eye protection

Wear full-face visor or shield.

## Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

## Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Amber.
Odour	Styrene
Vapour density (air=1)	1.09
Vapour pressure	6 hPa 20
Viscosity	100 - 130 mPas
Flash point	31

9.2. Other information

Not available.

## SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

No particular stability concerns.

10.3. Possibility of hazardous reactions

Not applicable.

## Hazardous Polymerisation

May polymerise.

## PY4/5 RESIN

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight. Take necessary action to avoid static electricity discharge.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Inorganic peroxides. Organic peroxides/hydroperoxides.

10.6. Hazardous decomposition products

Carbon monoxide if incomplete combustion

**SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects

Toxicological information

No information available.

General information

No specific health warnings noted.

Inhalation

Harmful by inhalation.

Ingestion

May irritate and cause stomach pain, vomiting and diarrhoea.

Skin contact

Irritating to skin.

Eye contact

Irritating to eyes.

Health Warnings

This chemical may cause skin/eye irritation.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

There are no data on the ecotoxicity of this product.

12.1. Toxicity

No information available

12.2. Persistence and degradability

No information available

Degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is non-volatile.

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

## PY4/5 RESIN

Not available.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

#### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

### SECTION 14: TRANSPORT INFORMATION

General See Below

#### 14.1. UN number

See Below

UN No. (ADR/RID/ADN) 1866

UN No. (IMDG) 1866

UN No. (ICAO) 1866

#### 14.2. UN proper shipping name

See Below

Proper Shipping Name Flammable Liquid

#### 14.3. Transport hazard class(es)

See Below

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

IMDG Class 3

ICAO Class/Division 3

Transport Labels



#### 14.4. Packing group

See Below

ADR/RID/ADN Packing group III

IMDG Packing group III

ICAO Packing group III

#### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

#### 14.6. Special precautions for user

See Below

EMS F-E, S-D

Emergency Action Code 3Y

Hazard No. (ADR) 39

## PY4/5 RESIN

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Uk Regulatory References

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

#### Statutory Instruments

Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

#### National Regulations

Health and Safety at Work Act (As Amended) 1974 Control of Substances Hazardous to Health Regulations 2002 (as amended)

Water hazard classification

N/A.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

#### General information

Only trained personnel should use this material.

Issued By HS&E Manager.

Revision Date 25/11/2014

Revision 11

Supersedes date 15/01/2014

Safety Data Sheet Status Approved.

#### Risk Phrases In Full

R33 Danger of cumulative effects.

R10 Flammable.

R20 Harmful by inhalation.

R36/38 Irritating to eyes and skin.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Hazard Statements In Full

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.

H331 Toxic if inhaled.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H411 Toxic to aquatic life with long lasting effects.