

SAFETY DATA SHEET

SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

➤ Substance Name: **PPA 571, ES, H, HES, FS, FR & AQUA (std & EF)**
(Includes all Colours as Stated on Packing Product Label)

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

Relevant identified uses:

Thermoplastic coating powders for application by fluidised bed, electrostatic spray or flock spraying.

Uses advised against:

Any process which would require the product to be at temperatures above 300°C for prolonged periods.

Reasons why used advised against:

The product will degrade in these conditions.

1.3 Details of the Supplier of the Safety Data Sheet:

Plascoat Systems Limited
Farnham Trading Estate
Farnham
Surrey
GU9 9NY
United Kingdom

Email address:

sales@plascoat.com
(This email will only be checked during office hours Monday to Friday
08.30 to 17.00 GMT)

1.4 Emergency Telephone Number:

+44 (0)1252 733777
(Available during office hours Monday to Friday 08.30 to 17.00 GMT)

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification: According to Regulation (EC) No. 1272/2008 (CLP).
These mixtures are not classified.

2.2 Label elements

Not applicable.

2.3 Other hazards

Although these mixtures are not classified they can be considered as nuisance dusts.

SECTION 3. Composition / information on ingredients

3.2 Mixtures:

A melt compounded matrix of functionalised polyolefins including pigments and additives. This mixture does not contain (above relevant concentration limits) any substances presenting a health or environmental hazard within the meaning of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

SECTION 4 First aid measures

4.1 Description of first aid measures

Inhalation:	In case of adverse exposure to vapours formed at elevated temperatures, remove victim from exposure. Administer artificial respiration if breathing has stopped. Call for medical attention.
Skin Contact:	Powder should be washed off with soap and water.
Eye Contact:	Product is an inert solid, wash with water. If required seek medical advice
Ingestion:	For accidental ingestion of small quantities first aid is not normally required. If large quantities are accidentally ingested, request medical advice.

4.2 Most important symptoms and effects, both acute and delayed

See section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable.

SECTION 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Low pressure systems such as foam (AFFF), powder, water spray or mist.

Unsuitable extinguishing media: High pressure systems such as inert gas or water jets.

5.2 Special hazards arising from the substance or mixture:

Hazardous combustion products: May include carbon monoxide, carbon dioxide, hydrocarbons, aldehydes, ketones, organic acids, smoke and fumes.

5.3 Advice for fire-fighters:

For large fires breathing apparatus is required.

Other locations:

Plascoat Europe BV, Zuidland, Netherlands
Tel: +31 (0) 181 458888 Fax: +31 (0) 181 458877

Plascoat Corp, 2700 Avenger Drive, Suite 108,
Virginia Beach, VA 23452, USA
Email: usservice@plascoat.com



AN AXALTA COATING SYSTEMS COMPANY

Registered office:

Farnham Trading Estate,
Farnham, Surrey, GU9 9NY
Incorporated in UK No. 514584

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

If spillage is large and dust levels are high, dust masks should be worn, and in enclosed spaces take precautions against dust explosion hazards.

6.2 Environmental precautions:

No hazard involved but since powder floats on water and is unsightly, prevent from entering water courses.

6.3 Method and materials for containment and cleaning up:

Vacuum up dust. The use of brushes may cause dust cloud formations and potential dust explosion hazards.

6.4 Reference to other sections:

See section 8.

SECTION 7 Handling and storage

7.1 Precautions for safe handling:

When emptying bags avoid dust cloud formation and/or static build up to prevent potential dust explosion hazards. In case of large amounts of dust, wear respiratory protection. During processing provide adequate local exhaust ventilation (LEV).

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well ventilated dry environment.

7.3 Specific end use(s)

See section 1.2.

SECTION 8 Exposure controls / personal protection

8.1 Control parameters:

Powder in air should be treated as a dust as recommended in HSE Publication EH40/2005. Thus the "Time Weighted Average 8 hours" should be kept below 10 mg/m³ of total inhalable dust, or 4 mg/m³ of respirable dust.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: LEV suitable for "Dust" and "Fume" extraction shall be used. See section 8.1

8.2.2 Personal protection equipment:

8.2.2.1 Eyes and face protection: Not normally necessary but if very dusty wear safety goggles.

8.2.2.2 Skin protection: Hands protection: During processing heat resistant gloves should be worn.

8.2.2.3 Respiratory protection: If dusty wear dust masks. If local exhaust ventilation is inadequate wear fume mask.

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Powder
Colour:	Various : As stated on the Product Label
Odour:	Waxy
Specific Gravity:	0.94 - 0.98
Melting Point:	90 - 130°C
Boiling Point:	Not relevant
Solubility in Water:	Not soluble
Vapour Pressure:	Not relevant
Flammability:	Only flammable at high temperatures (see 10.4)

9.2 Dust explosion data

Maximum Explosion Pressure:	6.2 bar g	(BS EN 14034-1:2004)
K _{st} Value:	40-60 bar.m.s ⁻¹	(BS EN 14034-2:2006)
St Class:	1	(BS EN 14034-2:2006)
Minimum Ignition Energy:	100 - 500 mJ	(BS EN 13821:2002)
Minimum Ignition Temperature:	460°C *	(BS EN 50281-2-1:1999)
Minimum Explosive Concentration (MEC)		
➤ PPA 571ES, PPA 571HES, AQUA EF	- 140 g/m ³ *	(BS EN 14034-3: 2006)
➤ PPA 571, 571H, 571FS, AQUA	- 200 g/m ³ *	(BS EN 14034-3: 2006)

*These figures are based on tests performed on a similar product.

SECTION 10 Stability and reactivity

10.1 Reactivity:

At ambient temperatures the substance is stable.

10.2 Chemical stability:

At ambient temperatures the substance is stable

10.3 Possibility of hazardous reactions:

At ambient temperatures the substance is stable

10.4 Conditions to avoid:

Prolonged exposure to temperatures in excess of 300°C (See 10.1)

10.5 Incompatible materials:

Strong oxidising agents.

10.6 Hazardous decomposition products

From Processing: Fumes contain low molecular weight aliphatic hydrocarbons, fatty acids and fatty acid esters and other organic acids.

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Ingestion:	This powder is considered inert; it should therefore produce no significant toxic response.
Skin Contact:	May cause irritation if caught between skin and clothing.
Eye Contact:	Like any inert dust will cause irritation.
Inhalation:	Processing fumes may cause irritation, see 10.6. Excessive dust may cause irritation to the respiratory tract, see 2.1.1 and 16 (III).

SECTION 12 Ecological information

12.1 Toxicity:

The powder will float on water and is unsightly.
Not expected to be harmful to aquatic organisms.
Not expected to be harmful to terrestrial organisms.

12.2. Persistence and degradability

Biodegradation:

Low biodegradability.

Hydrolysis:

Transformation due to hydrolysis not expected to be significant.

Photolysis:

Transformation due to photolysis not expected to be significant.

Atmospheric oxidation:

Transformation due to atmospheric oxidation not expected to be significant.

12.3. Bio-accumulative potential

Potential to bio-accumulate is low.

12.4. Mobility in soil

Low mobility in soil.

12.5. Results of PBT and vPvB Assessment

Does not contain any substances that are assessed to be a PBT or a vPvB.

12.6. Other adverse effects

No adverse effects are expected.

SECTION 13 Disposal consideration

13.1. Waste treatment methods

The European Waste Catalogue classification of this product, when disposed of as waste, is *08 02 01 'Waste Coating Powders'*. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information contact your local waste authority.

13.1.1 Product / packaging disposal:

Product disposal:

Can be recycled or used for landfill dependent on local regulations.

Packaging disposal:

Pallets are recyclable. Cardboard boxes can be recycled, incinerated or used for landfill. The inner liners and shrink wrap can be recycled, incinerated or used for landfill dependent on local regulations.

SECTION 14 Transport

14.1. UN number

ADR/RID, ADN, IMDG & IATA: Not regulated

14.2. UN proper shipping name

ADR/RID, ADN, IMDG & IATA: Not applicable

14.3. Transport hazard class(es)

ADR/RID, ADN, IMDG & IATA: Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15 Regulatory information

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

There are no regulatory requirements for this product.

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16 Other information

- I. The issue number and Date compiled are indicated in the page footers.
 - II. Modifications to the previous issue of this SDS are indicated by "➤"
 - III. The information presented here is given in good faith and to the best of our knowledge, true and accurate.
 - IV. This information may be subject to modification from time to time in the light of: legislation, our experience and our policy of continuous development.
 - V. It is the user's responsibility to verify that they are using the latest issue of the SDS in conjunction with the latest copy of our Technical Data Sheet.
 - VI. Conditions under which our materials may be used are beyond our control. Hence, no responsibility or liability, expressed or implied, can be accepted by Plascoat for any problems which may arise as a result of any actions or decisions that may be taken by the coating applicator, or by any other party that may be involved with specifying or using the material.
 - VII. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.
 - VIII. The information in this safety data sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
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