



PC010

This Safety Datasheet is prepared in accordance with Annex II to Regulation (EC) No. 1907/2006

1 IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Identification of the preparation

Product name and/or code: *Interpon Powder Coatings*

Intended use: Electrostatic coating for use in industrial plants

Company identification

Company name: *AkzoNobel Powder Coatings Limited*
Full address: *Stoneygate Lane, Felling, Gateshead.
NE10 0JY*

Telephone number: *0191 469 6111*

E-mail address of the competent person responsible for the SDS: uk.marketingservices@akzonobel.com

Emergency telephone number: *0191 469 6111 (During office hours)*

2 HAZARDS IDENTIFICATION

This preparation is not classified as dangerous according to the Chemicals (Hazard Information and Packaging for Supply) Regulations (enabling Dangerous Preparations Directive 1999/45/EC). Based on the composition and performed toxicity studies with the product, the preparation can be considered as an inert dust. Precautions should be taken to prevent the formation of dust in concentrations above flammable, explosive or occupational exposure limits.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard within the meaning of the Chemicals (Hazard Information & Packaging for Supply) Regulations (enabling Dangerous Substances Directive 67/548/EEC) or assigned an occupational exposure limit:

Components	% w/w	EC number	CAS number	Symbols	Risk phrases
None					

4 FIRST AID MEASURES

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes, and seek medical advice.

Ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.



5 FIRE-FIGHTING MEASURES

Extinguishing media

Recommended: water/spray mist, CO₂-blanket, alcohol resistant foam.

Not to be used for safety reasons: high pressure inert gas, water jets; do not stir up the powder coating.

Special exposure hazards arising from the preparation itself

Fire will produce dense black smoke containing hazardous decomposition products (see Section 10).

Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or watercourses.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions

Exclude sources of ignition and ventilate the area. Avoid breathing dust. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up

Contain and collect spillage with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Do not use a dry brush as dust clouds or static can be created.

7 HANDLING AND STORAGE

Advice should be taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Handling

Precautions should be taken to prevent the formation of dust in concentrations above flammable, explosive or occupational exposure limits.

Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or ignition sources.

Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be of conducting type.

Avoid skin and eye contact. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Treatments such as sanding, welding, burning off etc. of paint films may generate hazardous dust and/or fumes. Work in well ventilated areas. Use suitable personal (respiratory) protective equipment, as necessary.

Keep containers tightly closed. Isolate from sources of heat, sparks and open flame.

Smoking, eating and drinking should be forbidden in application area.

Comply with health and safety at work laws.

Always keep in containers made of same material as the original one.

For personal protection see section 8.

Storage

Observe label precautions. Store between 5 and 25°C in a dry well-ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit values according to *EH40/2007*

Substance name	8 Hours TWA ⁽¹⁾		STEL ⁽²⁾	
	ppm	mg/m ³	ppm	mg/m ³
Fine (respirable) dust	-	4	-	-
Total (inhalable) dust	-	10	-	-

⁽¹⁾ Time Weighted Average

⁽²⁾ Short Term Exposure Limit



Engineering measures

Avoid inhalation of dust. Where reasonably practicable, this should be achieved by use of local exhaust extraction and good general ventilation. If these are not sufficient to maintain exposure to dust below the exposure limits, suitable respiratory protection must be worn.

Personal protection

All personal protective equipment, including respiratory equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.

Respiratory protection:

If workers are exposed to dust concentrations above the exposure limit, they must use appropriate certified respirators (P1 grade) being effective against this type of material.

Hand protection:

For prolonged or repeated contact, use general industrial gloves. Suitable materials include lightweight vinyl or nitrile rubber gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Breakthrough time of gloves not applicable to powder coatings. Barrier creams may help to protect exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection:

Safety eyewear should be used when there is a likelihood of exposure.

Skin protection:

Personnel should wear protective clothing and all parts of the body should be washed after contact. Care should be taken in the selection of protective clothing, to ensure that inflammation or irritation of the skin at neck and wrists through contact with the powder is avoided.

9 PHYSICAL AND CHEMICAL PROPERTIES

		<u>Test Method</u>
Physical state:	fine powder	-
Odour:	not unpleasant	-
Real density 23°C:	1,2-1,9 g/cm ³	ISO 8130-2/-3
Bulk density 23°C:	400-1000 kg/m ³	-
Minimum explosible concentration of dust/air mixture: 20 - 70 g/m ³ * (recommended value for powder in air for plant design: not to exceed 10 g/m ³)		ISO 8130-4
Solubility in water:	insoluble	-
Softening point:	> 50°C	hot plate
Ignition temperature of a dust/air mixture:	450-600°C	EN 50281-2-1
Minimum ignition energy: (Coating powders, being fine organic materials, can give rise to dust explosions, typically rated St 1.)	5-20 mJ	-
Vapour pressure:	none	-
pH-value in water:	pH-value of water will not change	-
Flash point:	none	-

* Determined concentrations on a range of typical coating powders lie between these values, depending on the specific physical and chemical properties.

Thermal decomposition; hazardous decomposition products; hazardous reactions: not applicable in normal usage. In case of doubt, refer to the powder supplier.



10 STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions (see section 7). When exposed to high temperatures hazardous decomposition products may be produced, such as carbon monoxide and dioxide, nitrogen oxides and smoke.

11 TOXICOLOGICAL INFORMATION

There are no further data available on the preparation itself. The preparation has been assessed following the conventional method of the Chemicals (Hazard Information and Packaging for Supply) Regulations (enabling Dangerous Preparations Directive 1999/45/EC) and is not classified for toxicological hazards.

Animal tests and long term use of powder coatings containing no dangerous substances have shown no specific risk.

Powder coatings can cause localised skin irritation in folds of the skin or in contact with tight clothing.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

12 ECOLOGICAL INFORMATION

There are no data available on the preparation itself. Coating powder residues should not be allowed to enter drains or water courses. The preparation has been assessed following the conventional method of the Chemicals (Hazard Information and Packaging for Supply) Regulations (enabling Dangerous Preparations Directive 1999/45/EC) and is not classified as dangerous for the environment. Tests and long term use of powder coatings have, in general, shown no specific risk.

If powder coatings are applied and stoved according to the recommendations, emissions will be within the legal limits. The extract of a typical powder coating with rainwater shows that a deposit will not affect ground or surface water substantially.

The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

13 DISPOSAL CONSIDERATIONS

Do not allow into drains or watercourses where ground or surface waters may be affected. Waste and empty containers are controlled wastes and should be disposed in accordance with regulations made under the Environmental Protection Act. The European Waste Catalogue classification of this product, when disposed of as waste, is 08 02 01 (waste coating powders) regardless of its hazardous properties. If this product is mixed with other wastes, this code may no longer apply and the appropriate code should be assigned.

14 TRANSPORT INFORMATION**Transport within the user's premises**

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in accordance with ADR/RID, IMDG and ICAO/IATA

This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA). This powder coating is primarily a mixture of resins, hardeners, pigments and fillers, is not classified as explosive, oxidising, toxic, infectious, radioactive, corrosive or magnetic and its flash point (closed cup) is higher than 60.5°C (141°F) so according to IATA and ICAO annex 18 regulations, it is proved not to be dangerous for air transport.

15 REGULATORY INFORMATION

This product is determined as not being dangerous according to the requirements of the Chemicals (Hazard Information and Packaging for Supply) Regulations (enabling Dangerous Preparations Directive 1999/45/EC).

Symbols, Risk phrases: none

Safety phrases: S20/21: When using, do not eat, drink or smoke
S22: Do not breathe dust
S38: In case of insufficient ventilation, wear suitable respiratory equipment



The information contained in this safety datasheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

The information in this Safety Data Sheet is required pursuant to Regulation (EC) No. 1907/2006.

16 OTHER INFORMATION

Further information can be obtained from "Safe Powder Coating Guideline" (7th Edition 2005) published by CEPE (European Council of the Paint, Printing Inks and Artists' Colours Industry).

The information in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging for Supply) Regulations (enabling the Dangerous Preparations Directive 1999/45/EC)

The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

Further information and relevant advice can be found in:

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002:1689)

The Application of Powder Coatings by Electrostatic Spraying (Code of Safe Practice) from the British Coatings Federation (01372 360660)

The Manual Handling Operations Regulations 1992 (SI 1992:2793)

Chemical Warehousing: Storage of Packaged Dangerous Substances HS(G)71

The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992:2839)

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (SI 2002:2677)

HSE Guidance Booklet: HSG 203 Controlling Exposure to Coating Powders

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History

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Lines in right margin denote changes from last issue.
