

Safety Data Sheet

QHA027

INTERZINC 22 PART B

Version Number 6 Revision Date 06/10/11

1. Product and company identification

Product Name	INTERZINC 22 PART B
Product Code	QHA027
Intended use	Refer Technical Data Sheet. For professional use only.
Application Method	Refer Technical Data Sheet.
Company Name	Akzo Nobel Coatings Ltd. 34 Moo 4, Petchkasem Rd, Km.28.5, Omyai. Sampran, 73160, Nakornpathom, Thailand
Telephone No.	02 4290031
Fax No.	02 4290463
24 hour Emergency Telephone No.	02 4290031
For Poisons Advice telephone	For Advice to Doctors & Hospitals only

2. Hazard identification of the product**Warning**

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Akzo Nobel however makes no warranty as to the accuracy of and/or sufficiency of such information.

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GHS Classification;

Item	Category	Hazard
Flammability	3	Contact with water liberates extremely flammable gases.
Acute Toxicity (mouth)	Not classified	Not applicable
Acute Toxicity (skin)	Not classified	Not applicable
Acute Toxicity (inhalation)	Not classified	Not applicable
Acute Toxicity (ingestion)	Not classified	Not applicable
Skin corrosion/irritation	Not classified	Not applicable
Eye damage/irritation	Not classified	Not applicable
Sensitization (respiratory)	Not classified	Not applicable
Sensitization (skin)	Not classified	Not applicable
Germ toxicity	Not classified	Not applicable
Specific target organ systemic toxicity (single exposure)	Not classified	Not applicable
	2	No target organs for this category
	3	No target organs for this category
Specific target organ systemic Toxicity (repeated exposure)	Not classified	Not applicable
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic Environment (acute)	1	Very Toxic to aquatic life.
Harmfulness to aquatic Environment (long term effect)	1	Very Toxic to aquatic life with long lasting effects
Carcinogenicity	Not classified	Not applicable
Reproductive Toxicity	Not classified	Not applicable
Organic Peroxide	Not classified	Not applicable

S. Phrases;

S7/8 - Keep container tightly closed and dry.

S46 - If swallowed, seek medical advice immediately and show this container or label.

Further information is given in section 11.



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3. Composition/information on ingredients**Mixture :** Mixture

This product contains the following hazardous substances.

Ingredient	CAS Number	Concentration Range%
Zinc Dust	0007440-66-6	>50

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.

Inhalation

Not expected to be acutely toxic by inhalation.

All dusts are irritants, therefore inhalation of dusts should be avoided. Exposures to high dust concentrations may cause irritation to the mucous membrane of the respiratory system and the eyes. Symptoms may include reddening, swelling, itching, weeping, sneezing and coughing.

Wash out nose and mouth with water. Remove to fresh air if any effects apparent. Seek medical attention if any effects persist.

Eye Contact

Expected to cause no more than minor eye irritation. Dust in the eyes may cause irritation or corneal injury due to mechanical action.

Irrigate copiously with clean fresh water for 10 minutes, holding eyelids apart. Seek medical attention if irritation persists.

Skin Contact

Skin contact may cause irritation.

Wash effected areas with soap and water. Seek medical attention if irritation persists.

Ingestion

Extremely large oral doses may produce gastrointestinal disturbances, both due to the mechanical effects and the possibility of reaction with gastric juices to produce zinc chloride. Pain, stomach cramps and nausea could occur in aggravated cases.

Thoroughly rinse mouth with clean water.

If swallowed DO NOT induce vomiting. Give a glass of water to achieve effective dilution. Seek medical attention.



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5. Fire-fighting measures

Recommended extinguishing media; alcohol resistant foam, CO₂ powder.

Do not use; water jet or spray.

Note; Fire will produce dense black smoke. Decomposition products may be hazardous to health. Avoid exposure and use breathing apparatus as appropriate.

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

6. Accidental release measures

Wear protective equipment as listed in Section 8 during clean up operations.

Vacuum spills to keep dust down, do not sweep. Ventilate area.

Do not allow into water courses.

If drains, sewers, streams or lakes are contaminated contact the relevant Environment Protection Agency or local authority.



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7. Handling and storage**Handling**

Handle carefully as the powder is very fine and can spread. Handlers of powders should wash hands and face prior to meals and smoking.

In Storage

Handle containers carefully to prevent damage and spillage.

In Use

Avoid skin and eye contact. Avoid inhalation of dust. Observe label precautions. Use personal protection equipment as shown in section 8.

Smoking, eating and drinking should be prohibited in all preparation and application areas.

Storage

Store in a cool dry area (below 25C), away from heat, sparks and open flame.

Keep containers sealed when not in use.

Store out of direct sunlight.



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8. Exposure controls and personal protection

Engineering Measures

Provide adequate ventilation when handling this material. If possible handle in the open.

Exposure Limits

Exposure standards are those provided by the ACGIH (American Conference of Government Industrial Hygienists).

Material	Short term (15 min. ave)		Long term (8hr time weighted average)		
	ppm	mg/M3	ppm	mg/M3	
Zinc Dust	-	20	-	10-	Cat3

Key to notification

- (P) Peak exposure limit
- (R) Suppliers Recommended Limit
- (Sk) There is a risk of absorption through unbroken skin
- (Sen) Sensitiser
- (Cat1) Category 1 - established human carcinogen
- (Cat2) Category 2 - probable human carcinogen
- (Cat3) Category 3 - substances suspected of having carcinogenic potential

Personal Protection

Respiratory Protection

When concentrations exceed the exposure limits shown above, workers must wear appropriate approved respirators. Provision of other controls such as exhaust ventilation should be considered if practical.

Eye Protection

Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

Hand Protection

Wear PVC or rubber gloves.

Skin Protection

Overalls should be worn. Barrier creams may help to protect areas which are difficult to cover such as the face and neck. Petroleum jelly based types such as Vaseline should not be used. All parts of the body should be washed after contact.



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9. Physical and chemical properties

Physical State	Powder
Colour	Grey
Flash Point (C)	NA
Autoignition temperature (°C)	---
Viscosity (cSt)	N/A
Specific Gravity	7.100
Solvent Weight %	Not Applicable
Vapour Density	Heavier than air.
pH	Not Applicable
Lower Explosive Limit (%v/v air)	Not Applicable
Solubility in Water	Immiscible
R.A.Q. to ventilate to 10% of the LEL (M3/l)	Not Applicable
Odour	No smell

10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7).

Moist zinc dust produces hydrogen which can ignite explosively if concentrations are allowed to build up. Zinc dust can also react exothermically and ignite spontaneously in air.

Zinc metal, when melted, produces zinc vapour which oxidizes and condenses in air to form zinc fume.

Zinc powder can react violently with water, sulphur and halogens. Keep away from oxidising agents, lower molecular weight chlorinated hydrocarbons, strongly alkaline and strongly acid materials in order to avoid possible exothermic reactions.



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11. Toxicological information

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LD50, mg/L/4hr
Zinc Dust - (0007440-66-6)	-----	-----	-----

There are no data available on the product itself.



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12. Ecological information

There are no data available on the product itself.

The product should not be allowed to enter drains or water courses.

13. Disposal considerations

Vacuum spills to keep dust down, do not sweep.

Do not allow into drains or watercourses.

As waste regulations vary, use information provided in this data sheet to obtain advice from the local Waste Regulation Authority.

14. Transport information

Transport only in accordance with the following regulations:

Road and Rail Transport Zinc Dust (Not Hazardous by Testing in Accordance with UN Manual of Tests and Criteria)

IMDG reference :	Class/Div	4.3	Subsidiary Class	4.2
	Proper Shipping Name	Zinc Dust		
	UN No	UN1436		
	Ems	F-G, S-O		
	Packaging Group	II		
	Marine Pollutant	Yes		

ICAO/IATA	Shipping Name	Zinc Dust
	Class	4.3
	UN No	UN1436
	Packaging Group	II



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15. Regulatory information

The product complies with these local regulations.

16. Other information

The information on this SDS is based upon the present state of our knowledge and on current law.
The product should not be used for purposes other than shown in the product data sheet without first obtaining written advice.

It is always the responsibility of the user to take all necessary steps to meet the demands of applicable legislation.

The information in this Safety Data Sheet is required according to legislation.



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