



Akzo Nobel India Limited

## Safety Data Sheet

**QHA027** INTERZINC 22-2280 PART B  
**Version Number 7** **Revision Date 09/25/18**

### 1. Product and company identification

<b>1.1. Product identifier</b>	INTERZINC 22-2280 PART B
Product Code	QHA027
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>	
Intended use	Refer Technical Data Sheet. For professional use only.
Application Method	Refer Technical Data Sheet.
<b>1.3. Details of the supplier of the safety data sheet</b>	
<b>Importer or Manufacturer</b>	Akzo Nobel India Limited Plot No. 62P, 62A, 62B, 43E, Hoskote Industrial Area, Pilgumpa Hoskote Taluk, Bangalore 562114. India
<b>Telephone No.</b>	+91 80 22895000 / + 91 80 71717000
<b>Fax No.</b>	+91 80 22895500 / + 91 80 71717500
<b>1.4. Emergency telephone number (24 hour)</b>	+91 80 22895000 / + 91 80 71717000
<b>For Poisons Advice telephone</b>	+91 80 22895000 / + 91 80 71717000 For Advice to Doctors & Hospitals only

### 2. Hazard identification of the product

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

Aquatic Chronic 1;H410 Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.



### Warning

H410 Very toxic to aquatic life with long lasting effects.

#### [Prevention]:

P273 Avoid release to the environment.

#### [Response]:

P391 Collect spillage.

#### [Storage]:

#### [Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

### 2.3. Other hazards

This product contains no PBT/vPvB chemicals.

## 3. Composition/information on ingredients

This product contains the following substances that present a hazard.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
zinc powder CAS Number: 0007440-66-6	>50	Water react. 1;H260 Pyr. Sol. 1;H250 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the Hazard (H) phrases are shown in Section 16.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence do not require reporting in this section.

## 4. First aid measures

### 4.1. Description of 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.

### **Skin Contact**

Skin contact may cause irritation.

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

### **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.

### **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.

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

No data available

#### **4.3. Indication of any immediate medical attention and special treatment needed and notes for physician**

No data available

## **5. Fire-fighting measures**

### **5.1. Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, CO. 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.

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

Fire will produce dense black smoke. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Avoid exposure and use breathing apparatus as appropriate.

### 5.3. Advice for fire-fighters

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

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

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

### 6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

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

Vacuum spills to keep dust down, do no 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.

## 7. Handling and storage

### 7.1. Precautions for safe handling

#### 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.

Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard.

This coating contains solvents. Solvent vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Areas of storage, preparation and application should be ventilated to prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

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

Keep away from the following materials: oxidising agents, strong alkalis, strong acids.

Store in a cool dry area, away from heat, sparks and open flame.

Keep containers sealed when not in use.

Store out of direct sunlight.

This is a highly flammable liquid. Refer to the requirements of CP 40 The Storage and Handling of Flammable and Combustible Liquids.

There are no exposure scenarios, see details in section 1.

### 7.3. Specific end use(s)

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.

All sources of ignition (hot surfaces, sparks, open flames etc) should be excluded from areas of preparation and application. All electrical equipment (including torches) should be protected (Ex) to the appropriate standard.

The product may charge electrostatically. Always use earthing leads when pouring solvents and transferring product. Operators should wear clothing which does not generate static (at least 60% natural fibre) and antistatic footwear; floors should be of conducting type.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

From the listed Exposure Standards for Atmospheric Contaminants (ACGIH) as amended.

Material	PEL (Short Term)		PEL (Long Term)		Comments
	ppm	mg/m <sup>3</sup>	ppm	mg/M3	
zinc powder	-	20	-	10-	
(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					

### DNEL/PNEC values

No Data Available

### 8.2. Exposure controls

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

#### Eye Protection

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

#### Skin Protection

Wear PVC or rubber gloves.

#### Other

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.

#### 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.

### Thermal hazards

No Data Available

## 9. Physical and chemical properties

<b>Colour</b>	Grey Powder
<b>Odour</b>	No smell
<b>Odour threshold</b>	Not Measured
<b>pH</b>	N/A
<b>Melting point / freezing point (°C)</b>	Not Measured
<b>Initial boiling point and boiling range (°C)</b>	
<b>Flash Point (°C)</b>	
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
<b>Vapour pressure (Pa)</b>	Not Measured
<b>Vapour Density</b>	Heavier than air.
<b>Specific Gravity</b>	7.10
<b>Solubility in Water</b>	Immiscible
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Autoignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	N/A

### 9.2. Other information

No further information

## 10. Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

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.

**10.3. Possibility of hazardous reactions**

May react exothermically with: oxidising agents, strong alkalis, strong acids.

**10.4. Conditions to avoid**

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

**10.5. Incompatible materials**

Keep away from the following materials: oxidising agents, strong alkalis, strong acids.

**10.6. Hazardous decomposition products**

Fire will produce dense black smoke. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Avoid exposure and use breathing apparatus as appropriate.

**11. Toxicological information****Acute toxicity**

Exposure to solvent vapour concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr
zinc powder - (7440-66-6)	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Item	Category	Hazard
Acute Toxicity (mouth)	Not Classified	Not Applicable
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	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
Carcinogenicity	Not Classified	Not Applicable

Reproductive Toxicity	Not Classified	Not Applicable
Specific target organ systemic toxicity (single exposure)	Not Classified	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

The preparation has been assessed according to the GHS criteria and is classified as dangerous for the environment, using the toxicity data listed below.

There are no data available on the product itself.

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

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
zinc powder - (7440-66-6)	0.182, Oncorhynchus tshawytscha	0.068, Daphnia magna	0.106 (72 hr), Pseudokirchneriella subcapitata

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available

## 13. Disposal considerations

### 13.1. Waste treatment methods

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

**14.1. UN number** 3077  
**14.2. UN proper shipping name** Environmentally Hazardous Substance, Solid, N.O.S. (Contains Epoxy Resin).  
**14.3. Transport hazard class(es)**

**Road and Rail Transport** 3077, Environmentally Hazardous Substance, Solid N.O.S. (Contains Epoxy Resin). CLASS 9, PG III, HAZCHEM 2Z

**IMDG reference :** **Class/Div 9** **Sub Class**

**Ems** F-A,S-F

**ICAO/IATA** **Class 9** **Sub Class**

**14.4. Packing group** III

### 14.5. Environmental hazards

**Road and Rail Transport** Environmentally Hazardous: Yes

**IMDG reference :** Marine Pollutant: Yes ( Zinc Powder )

### 14.6. Special precautions for user

No further information

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

Not Applicable

## 15. Regulatory information

This product and all its components complies with the chemical and transport regulations from the country listed in section 1.3.

Other regulatory information specific to the hazardous chemical(s):

None noted.

## 16. Other information

The information on this SDS is based upon the present state of our knowledge and on current laws. 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 full text of the phrases appearing in section 3 is:

H250 Catches fire spontaneously if exposed to air.

H260 In contact with water releases flammable gases which may ignite spontaneously.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**This SDS is valid for 5 years from the revised date on page 1.  
The revision date is in American format (e.g. MM/DD/YY).**

End of document



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.