1. Product and company identification

1.1. Product identifier
INTERZINC 22 PART B
Product Code QHA027

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use
Refer Technical Data Sheet.
For professional use only.

Application Method
Refer Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Importer or Manufacturer
International Paint Taiwan
No. 20, Yumin St.,
Dafa Industrial Park
Daliao District, Kaohsiung City 83162,
Taiwan (R.O.C.)

Telephone No. 07-787 3959
Fax No. 07-787 3953

1.4. Emergency telephone number (24 hour) 07-787 3959
For Poisons Advice telephone 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 hazardous substances.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Dust</td>
<td>&gt;50</td>
<td>Water react. 1;H260</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pyr. Sol. 1;H250</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aquatic Acute 1;H400</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aquatic Chronic 1;H410</td>
<td>[1]</td>
</tr>
</tbody>
</table>
| *The full texts of the Hazard (H) phrases are shown in Section 16.*

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

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 mild irritation. Prolongued and/or repeated contact may lead to irritant contact dermatitis. 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, 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.

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 water courses.

6.3. Methods and material for containment and cleaning up
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.

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.

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 (below 25C), away from heat, sparks and open flame. Keep containers sealed when not in use. Store out of direct sunlight. 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.

8. Exposure controls and personal protection

8.1. Control parameters
Exposure standards are those provided by the ACGIH (American Conference of Government Industrial Hygenists).

<table>
<thead>
<tr>
<th>Material</th>
<th>Short term (15 min. ave) ppm</th>
<th>Short term (15 min. ave) mg/m³</th>
<th>Long term (8hr time weighted average) ppm</th>
<th>Long term (8hr time weighted average) mg/M³</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Dust</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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
Wear overalls to keep skin contact to a minimum. Users of this product may also consider using hoods or
balaclava’s to protect the face.

**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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Grey Powder</td>
</tr>
<tr>
<td>Odour</td>
<td>No smell</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not Measured</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting point / freezing point (°C)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Initial boiling point and boiling range (°C)</td>
<td>999</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Evaporation rate (Ether = 1)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Lower Explosive Limit: No data available</td>
</tr>
<tr>
<td></td>
<td>Upper Explosive Limit: No data available</td>
</tr>
<tr>
<td>Vapour pressure (Pa)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Vapour Density</td>
<td>Heavier than air.</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>7.10</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Immiscible</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water (Log Kow)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Autoignition temperature (°C)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Viscosity (cSt)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### 9.2. Other information
No further information

### 10. Stability and reactivity

#### 10.1. Reactivity
No data available

#### 10.2. Chemical stability
This product is stable under normal storage and handling conditions (see section 7). When exposed to very high temperatures, may produce hazardous decomposition products such as carbon monoxide, oxides of nitrogen and smoke.

#### 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.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapour LD50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LD50, mg/L/4hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Dust - (7440-66-6)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Category</th>
<th>Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity (mouth)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute Toxicity (skin)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute Toxicity (inhalation)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Eye damage/irritation</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Sensitization (respiratory)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Sensitization (skin)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Germ toxicity</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Specific target organ systemic toxicity (single exposure)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Specific target organ systemic Toxicity (repeated exposure)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Dust - (7440-66-6)</td>
<td>0.182, Oncorhynchus tshawytscha</td>
<td>0.068, Daphnia magna</td>
<td>0.106 (72 hr), Pseudokirchneriella subcapitata</td>
</tr>
</tbody>
</table>

**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**
Non hazardous

**14.2. UN proper shipping name**
Non hazardous

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

Road and Rail Transport
Non hazardous

**14.5. Environmental hazards**
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 MARPOL 73/78 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):

- Labor Health & Safety facility
- Lead toxic prevention
- Public Traffic safety
- Toxic substance management
- Hazard substance awareness
- Lead
- Labor permit exposure limit of airborne concentration at work place
- Waste treatment method and facility standard

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.

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