

### 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

- i) Product details: Phoenix 270-120 Waterborne Intumescent Basecoat is a thin film intumescent coating for the fire protection of structural steelwork.
- ii) Product type & use: Fire proofing paint for use on structural steelwork
- iii) Application of the substance / the preparation of coating
- iv) Manufacturer/Supplier:  
Phoenix Fire Protection (Asia) Ltd.  
14C, Casey Building  
38 Lok Ku Road, Sheung Wan  
Hong Kong (SAR)  
Telephone: (852) 2810 6101 Facsimile: (852) 2851 9599

### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

- \* The product does not contain any substances presenting a health hazard within the meaning of CHIP Regulations.

### 3. HAZARDS IDENTIFICATION

- \* The product is not classified as dangerous according to the CHIP Regulations.

### 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  
Remove to fresh air, keep the patient warm and at rest.  
If breathing has stopped, administer artificial respiration. Give nothing by mouth.  
If unconscious, place in the recovery position and seek medical advice.
- \* Eye Contact  
Contact lenses should be removed.  
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.
- \* Skin Contact  
Remove contaminated clothing.  
Wash skin thoroughly with soap and water or use a proprietary skin cleaner.  
Do NOT use solvents or thinners.
- \* Ingestion  
If accidentally swallowed obtain immediate medical attention.  
Keep at rest.  
Do NOT induce vomiting.

## 5. FIRE-FIGHTING MEASURES

\* **Extinguishing Media**

Recommended: Alcohol resistant foam, CO<sub>2</sub>, dry powder, water spray / mist.

Not to use: Water jet.

- \* **Recommendations:** Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or watercourses.

## 6. ACCIDENTAL RELEASE MEASURES

- \* Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid the use of solvents. If the product enters drains or sewers, the local Water Company should be contacted immediately, in the case of contamination of streams, rivers or lakes, the relevant environment agency.

## 7. HANDLING AND STORAGE

\* **Handling**

Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection, see Section 8. Never use pressure to empty; the container is not a pressure vessel. Always keep in containers made of the same material as the supply container. The Manual Handling Operations Regulations may apply to the handling of containers of this product. Refer to the guide weight indicated on the container when carrying out assessments.

\* **Storage**

Store between 5°C and 35°C (protect from frost) in a dry, well ventilated. Place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers, which are opened, should be properly resealed and kept upright to prevent leakage.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

\* Engineering Measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn (see 'Personal Protection' below).

\* Exposure Limits

The product does not contain any substances subject to Occupational Exposure Limits (OEL).

\* Personal Protection

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations. Whilst this product contains no substance subject to OEL's, good painting practice should avoid any inhalation of spray mist when spraying the product.

\* Hand Protection

When skin exposure may occur, wear suitable gloves, advice should be sought from glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

\* Eye Protection

Eye protection designed to protect against liquid splashes should be worn.

\* Skin Protection

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Melting Point:	<0 °C	Boiling Point:	100 °C
Oxidising Properties:	None known	Autoflammability:	Not applicable
Solubility (Water):	Dispersible	Vapour Pressure:	2.4kPa (20 °C)
Explosive Limits:	Not applicable	Appearance:	White viscous liquid
Odour:	None	Density:	1.3 – 1.4 g/ml (25 °C)
Flash Point:	Not applicable	Volatility:	20 – 25% by weight
pH (in Water):	8.0 – 9.5	Viscosity:	20 – 30 Pas (20 °C)

Registered Office:

Phoenix Fire Technologies (UK) Ltd  
2<sup>nd</sup> Floor, 40 Gerrard Street, London W1D 5QE, United Kingdom

### 10. STABILITY AND REACTIVITY

- \* Stable under the recommended storage and handling conditions (see Section 7). In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen and phosphorous may be produced. Keep away from oxidizing agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

### 11. TOXICOLOGICAL INFORMATION

- \* There is no data available on the product itself.

### 12. ECOLOGICAL INFORMATION

- \* There is no data available on the product itself.
- \* The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters.

### 13. DISPOSAL CONSIDERATION

- \* Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act 1971 and the Environmental Protection Act 1990. Using information provided in this data sheet, advice should be obtained from the relevant environment agency whether the special waste regulations apply.

### 14. TRANSPORT INFORMATION

- \* Transport within 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 accident or spillage.
- \* The product is not classified as dangerous for transportation.

### 15. REGULATORY INFORMATION

- \* The product is determined as not hazardous according to the CHIP Regulations.
- \* The information contained in this safety data sheet 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.

### 16. OTHER INFORMATION

- \* This safety data sheet is provided in accordance with the provisions of Section 6 of the Health and Safety at Work, etc. Act 1974, as amended by the Consumer Protection Act 1987.
- \* 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.
- \* The information contained in this safety data sheet is based on the present state of knowledge and current national 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.
- \* Further information and relevant advice can be found in:
  - The Control of Substances Hazardous to Health regulations 1999 (SI 1999: 437)
  - COSHH Essentials: easy steps to control chemicals, HS (G) 193. Details of available Control Guidance Sheets, which may be relevant to the particular conditions of use, can also be found in HS (G) 193
  - The Manual Handling Operations Regulations 1992 (SI 1992: 2793)
  - The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992: 2839)