

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

- i) Product details: Phoenix 370-120 Water-based Intumescent Paint
- ii) Product type & use: Fire proofing paint for use on structural steelwork
- iii) Application of the substance / the preparation 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:

- * Composition Comments
No significant hazardous ingredients

3. HAZARDS IDENTIFICATION

- i) Classification (1999/45): Not classified
- ii) Classification (EC1272/2008)
Physical and Chemical: Not classified
Hazards: Not classified
Human health: Not classified
Environment: Not classified
- iii) Label In Accordance With (EC) No.1272/2008: Not classified
- iv) Human Health:
The hazardous properties of the product are considered limited.
May cause minor irritation on skin contact.

4. FIRST – AID MEASURES

- * General Information
General first aid, rest, warmth and fresh air. Never give liquid to an unconscious person. Get medical attention if any discomfort continues.
- * Inhalation
Remove victim immediately from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention. Place unconscious person on the recovery position and ensure breathing can take place. If respiratory problems, artificial respiration/oxygen is required.

4. FIRST – AID MEASURES

- * Ingestion
Do Not induce vomiting. Get medical attention immediately. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
- * Skin Contact
Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.
- * Eye Contact
Make sure to remove any contact lenses from the eyes before rinsing. Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Get medical attention if any discomfort continues.

5. FIRE-FIGHTING MEASURES

- * Extinguishing Media
Do not use water jet as an extinguisher. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Cool containers exposed to flames with water until well after the fire is out. Avoid breathing fire vapours. When heated and in case of fire, harmful vapours/gases may be formed.
- * Protective measures in fire
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

- * Personal precautions
Wear protective clothing as described in section 8 of this data sheet. Warn everybody of potential hazards and evacuate if necessary. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.
- * Environmental precautions
Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be immediately alerted to the Environment Agency or other appropriate regulatory body.
- * Spill clean up methods
Keep combustibles away from spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage. Store in a cool and well-ventilated place. Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

7. HANDLING AND STORAGE

* Usage precautions

Risk of vapour concentration on the floor and in low-lying areas. Eliminate all sources of ignition. Use non sparking hand tools and explosion-proof electric equipment. Keep containers tightly closed. Keep away from heat, sparks and open flame. Ventilation and extraction must be arranged so that all parts of the workplace are properly ventilated i.e. there are no recesses or pockets where high vapour concentrations are allowed to build up. If there is any doubt about the adequacy of the ventilation/extraction of solvent vapour, regular monitoring of confined workplaces should be carried out. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid contact with skin and eyes. Avoid inhalation of vapours and spray mists. Do not eat, drink or smoke when using the product. Wear protective clothing as described in Section 8 of this safety data sheet. Never use pressure to empty; the container is not a pressure vessel. Keep in original container. Good housekeeping standards, regular safe removal of waste materials and regular maintenance of spray booth filters will minimize the risks of spontaneous combustion and other fire hazards. Contaminated rags and cloths must be put in fireproof containers for disposal. The following guide weight indicators are given to enable users to carry out manual handling assessment. 20 litre pail = 32.0 kg.

* Storage precautions

Observe the label precautions. Store in closed original container at temperatures between 5°C and 30°C. Store in a cool and well-ventilated place. Keep away from sources of ignition – No smoking. Containers which are open should be properly re-sealed and kept upright to prevent leakage. Avoid contact with oxidizing agents. Keep away from heat, sparks and open flame. Avoid frost. Store in accordance with local regulations.

* Storage class

Store in accordance with local regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

* Respiratory equipment

In case of inadequate ventilation use suitable respirator.

* Hand protection

Wear protective gloves.

* Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

* Other protection

Wear suitable protective clothing as protection against splashing or contamination.

9. PHYSICAL AND CHEMICAL PROPERTIES:

* Appearance:	Viscous liquid
* Colour:	White / Off-white
* Odour:	No characteristic odour
* Solubility:	Miscible with water
* Relative Density:	1.3 – 1.5 @ 25°C
* Flash Point (°C):	Not applicable
* Volatile Organic Compound (VOC):	< 20 g/litre

10. STABILITY AND REACTIVITY

- * Stability
Stable under normal temperature conditions and recommended use.
- * Material to avoid
Strong acid. Strong alkalis. Strong oxidizing substances.
- * Hazardous decomposition products
By fire, toxic gases (CO, CO₂, NO_x) may be formed.

11. TOXICOLOGICAL INFORMATION

- * General information
No specific health warnings noted.

12. ECOLOGICAL INFORMATION

- * Ecotoxicity
The product is not expected to be hazardous to the environment.

13. DISPOSAL CONSIDERATION

- * Disposal Methods
Dispose of waste and residues in accordance with local authority requirements.
- * Waste Class
EWC Code: 08 01 20

14. TRANSPORT INFORMATION

* General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR, /RID).

15. REGULATORY INFORMATION

* Risk Phrases

Not classified.

* Safety Phrases

Not classified.

* UK Regulatory References

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 ("CHIP 4").

* EU Directives

Dangerous Preparations Directive 1999/45/EC.

16. OTHER INFORMATION

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

It is the responsibility of the user to assure himself that the information provided with this material safety data sheet is complete and applicable for his utilization of the product.

* Relevant R-phrases

22 Harmful if swallowed.

41 Risk of serious damage to eyes.

* Contact: Phoenix Fire Protection Asia Ltd

Tel: (852) 2810 6101