

### 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

- i) Product details: Phoenix 370-90 Intumescent Basecoat is a thin film intumescent coating for the fire protection of structural steelwork.
- ii) Product type & use: Fire proofing coating for use on structural steelwork
- iii) Application of the substance / preparation of coating
- iv) Manufacturer/ Supplier:  
Phoenix Fire Protection (Asia) Ltd.  
Tower B, Unit 601, Viking Technology and Business Center  
93a Ta Chuen Ping Street, Kwai Chung  
Hong Kong (SAR)  
Telephone: (852) 2810 6101 Facsimile: (852) 2851 9599

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Tris (1-chloro-2-propyl) phosphate	2.5 - 10%
CAS-No.: 13674-84-5	EC No.: 237-158-7
Classification (EC 1272/2008) Acute Tox. 4 – H302	Classification (67/548/EEC) Xn; R22

- \* The Full Text for all R-Phrases is Displayed in Section 16.
- \* Composition Comments  
The data shown are in accordance with the latest EC Directives.

### 3. HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45) Not Classified.

CLASSIFICATION (EC 1272/2008)

Physical and Chemical Hazards : Not Classified.  
Human Health : Not Classified.  
Environment : Not Classified.

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008 No pictogram required.

SUPPLEMENTAL LABEL INFORMATION (EU)

EUH210 Safety data sheet available upon request.

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 side in the recovery position and ensure breathing can take place. If respiratory problems, artificial respiration/ oxygen.

\* 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.

\* 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.

\* 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 does not get into the lungs.

#### 5. FIRE-FIGHTING MEASURES

\* Extinguishing Media

Do not use water jet as an extinguisher, as this will spread the fire. 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 safety 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 water courses must be immediately alerted to the Environmental 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 minimise 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 assessments. 20 liter pail = 30.0 kg.

\* Storage Precautions

Observe the label precautions. Store in closed original container at temperatures between 5°C and 25°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. Store in accordance with local regulations.

\* Storage Class

Store in accordance with local regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- \* Ingredient Comments  
SUP = Supplier's recommendation
- \* Protective Equipment



- \* Process Condition  
Provide eyewash station.
- \* Engineering Measures  
Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.
- \* Respiratory Equipment  
Respiratory protection must be used if air contamination exceeds acceptable level. Wear full face mask supplied with gas cartridge suitable for organic substances. In case of inadequate ventilation, use air-supplied full-mask. Do not use in confined spaces without adequate ventilation and/ or respirator.
- \* Hand Protection  
The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.
- \* Eye Protection  
Wear splash-proof eye goggles to prevent any possibility of eye contact.
- \* Other Protection  
Wear appropriate clothing to prevent any possibility of skin contact.
- \* Hygiene Measures  
**DO NOT SMOKE IN WORK AREA!** Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using, do not eat, drink or smoke.
- \* Skin Protection  
Wear appropriate clothing to prevent any possibility of skin contact. Wear suitable protective clothing as protection against splashing or contamination.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Viscous liquid.
COLOUR:	White.
ODOUR	Characteristic
SOLUBILITY:	Miscible with water
BOILING POINT (°C):	100°C
RELATIVE DENSITY:	1.4 g/cm <sup>3</sup>
VISCOSITY:	35 poise Rotothinner at 20°C

## 10. STABILITY AND REACTIVITY

- \* Stability  
No particular stability concerns. Follow precautions for safe handling described in this safety data sheet. Stable under the prescribed storage conditions.
- \* Condition To Avoid  
Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers. Avoid frost.
- \* Material To Avoid  
Strong acids. Strong alkalis. Strong oxidising substances.
- \* Hazardous Decomposition Products  
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## 11. TOXICOLOGICAL INFORMATION

- \* Toxicological Information  
No information available.
- \* General Information  
Prolonged contact may cause dryness of the skin.
- \* Inhalation  
In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
- \* Ingestion  
Gastrointestinal symptoms, including upset stomach. May cause stomach pain or vomiting.
- \* Skin Contact  
Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Irritating to skin.
- \* Eye Contact  
Irritating and may cause redness and pain.

## 12. ECOLOGICAL INFORMATION

\* Ecotoxicity

There are no data on the ecotoxicity of this product. The product components are not classified as environmentally hazardous. However, this does not exclude possibility that large or frequent spills can have a harmful or damaging effect on the environment.

\* Bioaccumulation

No data available on bioaccumulation. The product does not contain any substances expected to be bioaccumulating.

## 13. DISPOSAL CONSIDERATIONS

\* General Information

Waste, residue, empty containers, discarded work clothes and used disposable towels must be collected in designated receptacles, labeled with content.

\* Disposal Methods

Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point.

## 14. TRANSPORT INFORMATION

\* General Information

Not regulated.

## 15. REGULATORY INFORMATION

\* National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40).

## 16. OTHER INFORMATION

General Information

Restricted to professional users. Only trained personnel should use this material.

Revision Date

10<sup>th</sup> February 2014

Revision No./ Repl. Sds Generated

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Risk Phases In Full

R22 Harmful if swallowed.

NC Not classified.

Hazard Statement In Full

H302 Harmful if swallowed.

Registered Office:

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