

# MATERIAL SAFETY DATA SHEET

APCOFLOR HFP 120 BASE



Material Safety Data Sheet

## APCOFLOR HFP 120

BASE

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name : Apcoflor HFP 120 Base  
Product Type : Epoxy floor coating  
Manufacturer : Asian Paints Bangladesh Limited  
Plot No. 317 & 757, Bahadurpur, Gazipur, Bangladesh  
Emergency Telephone Number : Tel : +88-09612003355

### 2. COMPOSITION/INFORMATION ON INGREDIENTS :

	<u>Weight%</u>	<u>CAS Number</u>	<u>LEL Vol%</u>	<u>ACGIH TLV-TWA</u>
● Epoxy Resin	> 60	NA	NA	NA
● GLYCIDYL ETHER OF ALKYL PHENOL	> 10	171263-25-5		
● Xylene	> 10	1330-20-7	1.2	100 ppm
● n-Butanol	< 5	71-36-3	1.4	50 ppm
● Propylene Glycol Methyl Ether	> 5	107-98-2		

### 3. HAZARDS IDENTIFICATION :

- Hazards identification of the preparation :  
R 10 Flammable  
R-20/21/22 Harmful by inhalation and in contact with skin  
R-38 Irritating to skin  
R-43 May cause sensitization by skin contact.

### 4. FIRST AID MEASURES :

General : Remove contaminated clothing.  
First Aid - Inhalation : Remove to fresh air. If rapid recovery does not occur, obtain medical attention.  
First Aid - Skin : Remove contaminated clothing immediately. Wash skin thoroughly with soap and water.  
First Aid - Eye : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eye lids apart and seek medical advice.  
First Aid - Ingestion : Do not induce vomiting. Obtain immediate medical attention.

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## 5. FIRE FIGHTING MEASURES :

- Specific hazards : Fire will produce dense, black smoke. Inhalation of decomposition products may cause serious health hazards.
- Extinguishing media : Water spray-mist, foam, dry chemical powder, carbon dioxide, sand.
- Unsuitable extinguishing media : Water in a jet.

## 6. ACCIDENTAL RELEASE MEASURES :

- Personal precautions : Avoid contact with skin and eyes. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. Avoid sparks.
- Personal protection : Wear PVC gloves, safety boots. Wear full face-piece respirator with organic vapour canister NPF 400. In a confined space, wear self-contained breathing apparatus open circuit type NPF 2000.
- Environmental precautions : Prevent contamination of soil and water.
- Processing for Cleaning/  
Collecting : Contain and collect spillage with non-combustible absorbent materials, e.g., sand, earth or spill control material and place in a container for disposal according to local regulation

## 7. HANDLING AND STORAGE:

Avoid prolonged or repeated contact with skin. Do not breathe vapour, spray/mists. Extinguish any naked flames. Remove ignition sources. Avoid spark. Do not smoke. Take precautionary measures against static discharges.

- Handling temperature : Ambient
- Storage : Keep container tightly closed and in a well ventilated place. Keep away from direct sunlight and other sources of heat or ignition. Do not smoke in storage areas.
- Storage temperature : Ambient.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION :

- Engineering Control measures : Use only in well ventilated areas.
- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Hand protection : PVC gloves. Barrier creams may help to protect the exposed areas of the skin.
- Eye protection : Use safety eyewear designed to protect against splash of products.

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APCOFLOR HFP 120 BASE



## 9. PHYSICAL AND CHEMICAL PROPERTIES :

Physical state	: Liquid
<u>Safety related information :</u>	<u>Value</u>
Flash Point	36°C (DIN 51758)
Thermal decomposition	> 200°C
Boiling Point	160°C
Vapour Density (Vs. Air)	Heavier
Evaporation Rate (Vs. n-Bu. Acetate)	Slower
Density at 25°C (mixed)	1.02 - 1.12 gm/cc
Solubility in water	Negligible

## 10. STABILITY/REACTIVITY :

Stability	: Stable under normal conditions.
Conditions to avoid	: Heat, flames and sparks. Caustic soda induce a vigorous polymerisation at a temperature around 200°C
Materials to avoid	: Strong Oxidising agents, strong acids & strong bases
Hazardous decomposition products	: Unknown

## 11. TOXICOLOGICAL INFORMATION :

Basis for assessment	: This product was not tested but the information given is based on the known toxicological data of the constituents
Acute toxicity – oral(rat)	: LD 50 expected to be : 1650 mg/kg
Eye irritation	: The liquid splashed in the eyes may cause irritation.
Skin irritation	: Irritant

## 12. ECOLOGICAL INFORMATION : Avoid contamination of earth, rivers, lakes or sewages

Water contamination class	: 2 (self classification)
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## 13. DISPOSAL CONSIDERATIONS :

The generation of waste should be avoided or minimized wherever possible. Waste product residues should not be disposed of via the sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way.

# MATERIAL SAFETY DATA SHEET

APCOFLOR HFP 120 BASE



## 14. TRANSPORT INFORMATION :

UN Number : 1263  
IMDG Class : 3  
PG Number : 3149  
Marine Pollutant : Yes  
Proper shipping name : Paint

## 15. REGULATORY INFORMATION :

- EC Classification : Harmful – Labelling required
- EC Risk phrases
  - R-10 : Flammable.
  - R-20/21 : Harmful by inhalation and in contact with skin
  - R-38 : Irritating to skin
- EC Safety Phrases
  - S-24 : Avoid contact with skin
  - S-25 : Avoid contact with eyes
  - S-26 : In case of contact with eyes, rinse immediately with Plenty of water and seek medical advice immediately.
  - S-36/37/39 : Wear suitable protective clothing and gloves
  - S45 : In case of accident or if you feel unwell, seek Medical advice.

## 16. DISCLAIMER :

This information is based on our current knowledge and is obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding the correctness. This information is extended to describe the product for the purposes of health, safety and environmental requirements only. The conditions or methods of handling, storage, use or disposal of the product are beyond our control. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage connected with the handling, storage, use or disposal of the product.

Version: 1 Dec-2023

# MATERIAL SAFETY DATA SHEET

APCOFLOR HFP 120 HARDENER



Material Safety Data Sheet

## APCOFLOR HFP 120

HARDENER

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name : Apcoflor HFP 120 -Hardener  
Product Type : Epoxy floor coating  
Manufacturer : Asian Paints Bangladesh Limited  
Plot No. 317 & 757, Bahadurpur, Gazipur, Bangladesh  
Emergency Telephone Number : Tel : +88-09612003355

### 2. COMPOSITION/INFORMATION ON INGREDIENTS :

	<u>Weight%</u>	<u>CAS Number</u>	<u>LEL Vol%</u>	<u>ACGIH TLV-TWA</u>
• Formulated Amide hardener	65-85			
• 2-Ethoxy Ethanol	5- 10	110-80-5	1.7	5 ppm
• Xylene	5 - 10	1330-20-7	1.2	100 ppm

### 3. HAZARDS IDENTIFICATION :

- Hazards identification of the preparation :  
R 10 Flammable  
R-20/21/22 Harmful by inhalation and in contact with skin  
R-38 Irritating to skin  
R-43 May cause sensitization by skin contact.

### 4. FIRST AID MEASURES :

General : Remove contaminated clothing.  
First Aid - Inhalation : Remove to fresh air. If rapid recovery does not occur, obtain medical attention.  
First Aid - Skin : Remove contaminated clothing immediately. Wash skin thoroughly with soap and water.  
First Aid - Eye : Irrigate copiously with clean, fresh water for atleast 10 minutes, holding the eye lids apart and seek medical advice.  
First Aid - Ingestion : Do not induce vomiting. Obtain immediate medical attention.

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APCOFLOR HFP 120 HARDENER



## 5. FIRE FIGHTING MEASURES :

- Specific hazards : Fire will produce dense, black smoke. Inhalation of decomposition products may cause serious health hazards.
- Extinguishing media : Water spray-mist, foam, dry chemical powder, carbon dioxide, sand.
- Unsuitable extinguishing media : Water in a jet.

## 6. ACCIDENTAL RELEASE MEASURES :

- Personal precautions : Avoid contact with skin and eyes. Do not breathe vapor. Extinguish naked flames. Remove ignition sources. Avoid sparks.
- Personal protection : Wear PVC gloves, safety boots. Wear full face-piece respirator with organic vapour canister NPF 400. In a confined space, wear self-contained breathing apparatus open circuit type NPF 2000.
- Environmental precautions : Prevent contamination of soil and water.
- Processing for Cleaning/  
Collecting : Contain and collect spillage with non-combustible absorbent materials, e.g., sand, earth or spill control material and place in a container for disposal according to local regulation

## 7. HANDLING AND STORAGE:

Avoid prolonged or repeated contact with skin. Do not breathe vapour, spray/mists. Extinguish any naked flames. Remove ignition sources. Avoid spark. Do not smoke. Take precautionary measures against static discharges.

- Handling temperature : Ambient
- Storage : Keep container tightly closed and in a well ventilated place. Keep away from direct sunlight and other sources of heat or ignition. Do not smoke in storage areas.
- Storage temperature : Ambient.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION :

- Engineering Control measures : Use only in well ventilated areas.
- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Hand protection : PVC gloves. Barrier creams may help to protect the exposed areas of the skin.
- Eye protection : Use safety eyewear designed to protect against splash of products.

# MATERIAL SAFETY DATA SHEET

APCOFLOR HFP 120 HARDENER



## 9. PHYSICAL AND CHEMICAL PROPERTIES :

Physical state	: Liquid
<u>Safety related information :</u>	<u>Value</u>
Flash Point	36°C (DIN 51758)
Thermal decomposition	> 200°C
Boiling Point	160°C
Vapour Density (Vs. Air)	Heavier
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Stability	: Stable under normal conditions.
Conditions to avoid	: Heat, flames and sparks. Caustic soda induce a vigorous polymerisation at a temperature around 200°C
Materials to avoid	: Strong Oxidising agents, strong acids & strong bases
Hazardous decomposition products	: Unknown

## 11. TOXICOLOGICAL INFORMATION :

Basis for assessment	: This product was not tested but the information given is based on the known toxicological data of the constituents
Acute toxicity – oral(rat)	: LD 50 expected to be : 1650 mg/kg
Eye irritation	: The liquid splashed in the eyes may cause irritation.
Skin irritation	: Irritant

## 12. ECOLOGICAL INFORMATION

	: Avoid contamination of earth, rivers, lakes or sewages
Water contamination class	: 2 (self classification)

## 13. DISPOSAL CONSIDERATIONS :

The generation of waste should be avoided or minimized wherever possible. Waste product residues should not be disposed of via the sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way.

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## 14. TRANSPORT INFORMATION :

UN Number : 1263  
IMCO Class : 3  
Page Number : 3149  
Marine Pollutant : Yes  
Proper shipping name : Paint

## 15. REGULATORY INFORMATION :

- EC Classification : Flammable, Harmful  
Contains : Xylene
- EC Risk phrases  
R-10 : Flammable.  
R-20/21 : Harmful by inhalation and in contact with skin  
R-38 : Irritating to skin
- EC Safety Phrases  
S-24 : Avoid contact with skin  
S-25 : Avoid contact with eyes  
S-36/37 : Wear suitable protective clothing and gloves  
S51 : Use only in well ventilated areas.

## 16. DISCLAIMER :

This information is based on our current knowledge and is obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding the correctness. This information is extended to describe the product for the purposes of health, safety and environmental requirements only. The conditions or methods of handling, storage, use or disposal of the product are beyond our control. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage connected with the handling, storage, use or disposal of the product.

Version: 1 Dec2023