

APCOFLOR HSC 3

Hardner

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name : Apcoflor HSC3 Screed
 Product Type : Epoxy Mortar
 Manufacturer : Berger Paints Emirates Limited
 P O Box 27524, Dubai, UAE
 Telephone Number : 009714-3391000
 Emergency Telephone Number : 009714-3391078

2. COMPOSITION/INFORMATION ON INGREDIENTS :

	<u>Weight%</u>	<u>CAS Number</u>	<u>LEL Vol%</u>	<u>ACGIH TLV-TWA</u>
• Formulated Amide hardener	75-95	--	--	--
• 2-Ethoxy Ethanol	1- 2	110-80-5	1.7	5 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 contct.

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.

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.

... (2)...

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.

9. **PHYSICAL AND CHEMICAL PROPERTIES :**

- Physical state : Liquid
- Safety related information : Value
- 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

... (3)...

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)

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.

14. **TRANSPORT INFORMATION :**

Transport to be in accordance with ADR/RID for road/rail, IMDG for sea and IATA for Air.

LAND TRANSPORT

Classified as Dangerous Goods by the criteria of the European Agreement concerning the international carriage of Dangerous Goods (ADR) by Road & Regulations concerning the international carriage of Dangerous goods (RID) by Rail.

UN Number : 1263
 Packing Group : III
 Proper shipping name : Paint

SEA TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport of Sea

UN Number : 1263
 IMCO Class : 3
 Packing Group : III
 Proper shipping name : Paint
 Marine Pollutant : Yes

... (4) ...

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by Air.

UN Number : 1263
Packing Group : III
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: 2 Apr-2025

APCOFLOR HSC 3

Base

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name : Apcoflor HSC 3 Screed
 Product Type : Epoxy Mortar
 Supplier : Berger Paints Bahrain W.L.L.
 P O Box 26688, Bahrain.
 Telephone Number : 0973 – 17123700
 Emergency Telephone Number : 0973 – 17730689

2. COMPOSITION/INFORMATION ON INGREDIENTS :

	<u>Weight%</u>	<u>CAS Number</u>	<u>LEL Vol%</u>	<u>ACGIH TLV-TWA</u>
• Epoxy Resin	70 - 90	NA	NA	NA
• Glycidyl Ether Of Alkyl Phenol	10 - 20	171263-25-5	--	--
• Propylene Glycol Methyl Ether	1 - 5	107-98-2	1.6	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.

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.

... (2) ...

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.

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

... (3) ...

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)

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.

14. **TRANSPORT INFORMATION :**

Transport to be in accordance with ADR/RID for road/rail, IMDG for sea and IATA for Air.

LAND TRANSPORT

Classified as Dangerous Goods by the criteria of the European Agreement concerning the international carriage of Dangerous Goods (ADR) by Road & Regulations concerning the international carriage of Dangerous goods (RID) by Rail.

- UN Number : 1263
 Packing Group : III
 Proper shipping name : Paint

SEA TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport of Sea

- UN Number : 1263
 IMCO Class : 3
 Packing Group : III
 Proper shipping name : Paint
 Marine Pollutant : Yes

... (4) ..

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by Air.

UN Number : 1263
Packing Group : III
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: 2 Apr-2025

APCOFLOR HSC 3

Aggregate

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name : Apcoflor HSC3 Screed
Product Type : Epoxy mortar
Supplier : Berger Paints Emirates Limited
P O Box 27524, Dubai, UAE
Telephone Number : 009714-3391000
Emergency Telephone Number : 009714-3391078

2. COMPOSITION/INFORMATION ON INGREDIENTS :

	<u>Weight%</u>	<u>CAS Number</u>	<u>LEL Vol%</u>	<u>ACGIH TLV-TWA</u>
• Crystalline silica	80-100	14464-46-1	NA	-

3. HAZARDS IDENTIFICATION :

• Hazards identification of the preparation : Non Flammable silica powder.

R-20/22 Harmful by inhalation and in contact with skin

R-36/37 Irritating to eyes and respiratory system

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 : Not known as irritant to skin. But advisable to clean the skin with soap after exposure.
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.

5. FIRE FIGHTING MEASURES :

Specific hazards : No specific hazard known.
Extinguishing media : Non flammable
Unsuitable extinguishing media : None.

... (2)...

6. **ACCIDENTAL RELEASE MEASURES :**

- Personal precautions : Avoid contact with eyes. Do not breathe dust.
 Personal protection : Wear PVC gloves, safety boots. Wear full face-piece respirator .In a confined space, wear self-contained breathing apparatus
 Environmental precautions : No specific prevention required.
 Processing for Cleaning/ Collecting : Land filling according to local regulation

7. **HANDLING AND STORAGE:**

- Avoid prolonged or repeated contact with skin. Do not breathe dust.
 Handling temperature : Ambient
 Storage : Keep container tightly closed and in a well ventilated place.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION :**

- Engineering Control measures : Use only in well ventilated areas.
 Respiratory protection : When workers are facing dusty ambiance they must use appropriate certifiedrespirators.
 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.

9. **PHYSICAL AND CHEMICAL PROPERTIES :**

- Physical state : Powder
 Odour : No specific smell
Safety related information : Value
 Flash Point : Not applicable
 Ignition temperature : > 1800°C
 Initial Boiling Point : 1610°C
 Vapour Density (Vs. Air) : NA
 Evaporation Rate (Vs. n-Bu. Acetate) : NA
 Density at 25°C : 2.3– 2.9 gm/cc
 Solubility in water : Insoluble

10. **STABILITY/REACTIVITY :**

- Stability : Stable under normal conditions.
 Conditions to avoid : Avoid dust formation with material
 Materials to avoid : strong acids or material s with high acidity.
 Hazardous decomposition products : Unknown

... (3)...

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 : Non toxic

Acute toxicity - dermal : non toxic

Eye irritation : May cause irritation.

Skin irritation : No specific irritation known.

12. **ECOLOGICAL INFORMATION** : No specific requirement

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

14. **TRANSPORT INFORMATION :**

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

UN Number : Not Applicable

IMCO Class : Not Applicable

Proper shipping name : Not regulated

15. **REGULATORY INFORMATION :**

- EC Classification : Non Flammable, harmful by inhalation or swallowing
- Contains : Silica oxide
- EC Risk phrases
 - H335 : May cause respiratory irritation
 - R-20/22 : Harmful by inhalation and if swallowed
- 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.

... (4) ...

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: 2 Apr-2025