

Trade Name: EUCOCOAT EP HCR - B  
Version: 1  
Revision Date: 22.10.2020

## SECTION 1: Identification of the substance / mixture and of the company / undertaking

### 1.1. Product identifier

EUCOCOAT EP HCR - B

### 1.2 Relevant identified uses of the substance or mixture and uses advised against: /

Concentration in use: /

### 1.2. Details of the supplier of the safety data sheet

EUCCHEM BV  
ESPERANTOLAAN 13/7  
B-3300 TIENEN  
BELGIUM  
Tel.: +32.16.81.11.52  
E-Mail: office@eucochem.com

### 1.3. Emergency telephone number

+32 70 245 245

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture:

Classification of the substance or mixture in accordance with regulation (EU) 1272/2008:  
H314 Skin Corr. 1B H317 Skin Sens. 1 H411 Aquatic Chronic 2

### 2.2 Label elements:

Pictograms:



Signal word: Danger

Trade Name: EUCOCOAT EP HCR - B  
Version: 1  
Revision Date: 22.10.2020

**Hazard statements:**

H314 Skin Corr. 1B: Causes severe skin burns and eye damage.  
H317 Skin Sens. 1: May cause an allergic skin reaction.  
H411 Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

**Precautionary statements:**

P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves, protective clothing, eye protection, face protection.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.

**Contains:**

m-phenylenebis(methylamine) Isophoronediamine 2,4,6-Tris(dimethyl amino methyl)phenol Fatty acids, tall-oil, reaction products with triethylenetetramine

**2.3 Other hazards:**

None

**SECTION 3: Composition / information on ingredients**

Benzyl alcohol	≤ 30 %	CAS number: 100-51-6 EINECS: 202-859-9 REACH Registration number: 01-2119492630-38 CLP Classification: <b>H302 Acute tox. 4</b> <b>H319 Eye Irrit. 2</b> <b>H332 Acute tox. 4</b>
Fatty acids, tall-oil, reaction products with triethylenetetramine	≤ 30 %	CAS number: 68919-79-9 EINECS: 272-905-0 REACH Registration number: 01-2120104080-81 CLP Classification: <b>H314 Skin Corr. 1B</b> <b>H317 Skin Sens. 1</b> <b>H400 Aquatic Acute 1</b> <b>H410 Aquatic Chronic 1</b>
2,4,6-Tris(dimethyl amino methyl)phenol	≤ 6 %	CAS number: 90-72-2 EINECS: 202-013-9 REACH Registration number: 01-2119560597-27 CLP Classification: <b>H302 Acute tox. 4</b> <b>H314 Skin Corr. 1C</b>
Isophoronediamine	≤ 5 %	CAS number: 2855-13-2 EINECS: 220-666-8 REACH Registration number: 01-2119514687-32 CLP Classification: <b>H302+H312 Acute tox. 4</b> <b>H314 Skin Corr. 1B</b> <b>H317 Skin Sens. 1</b> <b>H412 Aquatic Chronic 3</b>

Trade Name: EUCOCOAT EP HCR - B  
Version: 1  
Revision Date: 22.10.2020

m-phenylenebis(methylamine)	≤ 5 %	CAS number: 1477-55-0 EINECS: 216-032-5 REACH Registration number: 01-2119480150-50 CLP Classification: <b>H302 Acute tox. 4</b> <b>H314 Skin Corr. 1B</b> <b>H317 Skin Sens. 1</b> <b>H332 Acute tox. 4</b> <b>H412 Aquatic Chronic 3</b>
3-aminopropyldimethylamine	≤ 3 %	CAS number: 109-55-7 EINECS: 203-680-9 REACH Registration number: 01-2119486842-27 CLP Classification: <b>H226 Flam. Liq. 3</b> <b>H302 Acute tox. 4</b> <b>H312 Acute tox. 4</b> <b>H314 Skin Corr. 1B</b> <b>H317 Skin Sens. 1</b> <b>H318 Eye Dam. 1</b>
Bis[(dimethylamino)methyl]fenol	≤ 2 %	CAS number: 71074-89-0 EINECS: 275-162-0 REACH Registration number: CLP Classification: <b>H314 Skin Corr. 1C</b>

For the full text of the H phrases mentioned in this section, see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures:

Always ask medical advice as soon as possible should serious or continuous disturbances occur.

Skin contact: Remove contaminated clothing, rinse skin with plenty of water and immediately transport to hospital.

Eye contact: Thoroughly rinse with water (contact lenses to be removed if this is easily done) then take to physician.

Ingestion: Rinse mouth, do not induce vomiting, take to hospital immediately.

Inhalation: Let sit upright, fresh air, rest and take to hospital.

### 4.2 Most important symptoms and effects, both acute and delayed:

Skin contact: Caustic, redness, pain, serious burns

Eye contact: Caustic, redness, blurred vision, pain

Ingestion: Caustic, lack of breath, vomiting, blisters on lips and tongue, burning pain in mouth and throat, gullet and stomach

Inhalation: Headache, dizziness, nausea, drowsiness, unconsciousness

### 4.3 Indication of any immediate medical attention and special treatment needed:

None

Trade Name: EUCOCOAT EP HCR - B  
Version: 1  
Revision Date: 22.10.2020

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media:

CO<sub>2</sub>, foam, powder, sprayed water

### 5.2 Special hazards arising from the substance or mixture:

None

### 5.3 Advice for firefighters:

Extinguishing agents to be avoided: None

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Do not walk into or touch spilled substances and avoid inhalation of fumes, smoke, dusts and vapours by staying up wind.

Remove any contaminated clothing and used contaminated protective equipment and dispose of it safely.

### 6.2 Environmental precautions:

**Do not allow to flow into sewers or open water.**

### 6.3 Methods and material for containment and cleaning up:

Contain released substance, store into suitable containers. If possible, remove by using absorbent material.

### 6.4 Reference to other sections:

For further information, check sections 8 & 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling:

Handle with care to avoid spillage.

Trade Name: EUCOCOAT EP HCR - B  
Version: 1  
Revision Date: 22.10.2020

## 7.2 Conditions for safe storage, including any incompatibilities:

Keep in a sealed container in a closed, frost-free, ventilated room.





## 7.3 Specific end use(s): /

# SECTION 8: Exposure controls / personal protection

## 8.1 Control parameters:

Listing of the hazardous ingredients in section 3, of which the TLV value is known /

## 8.2 Exposure controls:

<b>Inhalation protection:</b>	Use with sufficient exhaust ventilation. If necessary, use an air-purifying face mask in case of respiratory hazards. Use the ABEK type as protection against these troublesome levels.	
<b>Skin protection:</b>	Handling with nitril-gloves (EN 374). Breakthrough time: >480' Material thickness: 0,35 mm. Thoroughly check gloves before use. Take of the gloves properly without touching the outside with your bare hands. The manufacturer of the protective gloves has to be consulted about the suitability for a specific work station. Wash and dry your hands.	
<b>Eye protection:</b>	Keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shield and protective suit in case of exceptional processing problems.	
<b>Other protection:</b>	Wear impermeable clothing. The type of protective equipment depends on the concentration and amount of hazardous substances at the work station in question.	

# SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties:

Melting point/melting range: /  
Boiling point/Boiling range: 205 °C — 272 °C  
pH: /  
pH 1% diluted in water: /  
Vapour pressure/20°C,: /  
Vapour density: Not applicable  
Relative density, 20°C: /  
Appearance/20°C: Liquid  
Flash point: /  
Flammability (solid, gas): Not applicable  
Auto-ignition temperature: /

Trade Name: EUCOCOAT EP HCR - B  
Version: 1  
Revision Date: 22.10.2020

---

Upper flammability or explosive limit, (Vol %): /  
Lower flammability or explosive limit, (Vol %): /  
Explosive properties: Not applicable  
Oxidising properties: Not applicable  
Decomposition temperature: /  
Solubility in water: Not soluble  
Partition coefficient: octanol/water: Not applicable  
Odour: characteristic  
Odour threshold: Not applicable  
Dynamic viscosity, 20°C: 100 000 mPa.s  
Kinematic viscosity, 40°C: /  
Evaporation rate (n-BuAc = 1): 0.010

#### 9.2 Other information:

Volatile organic component (VOC): 20.39 %  
Volatile organic component (VOC): /  
Sustained combustion test : /

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity:

Stable under normal conditions.

#### 10.2 Chemical stability:

Extremely high or low temperatures.

#### 10.3 Possibility of hazardous reactions:

None

#### 10.4 Conditions to avoid:

Protect from sunlight and do not expose to temperatures exceeding + 50°C.

#### 10.5 Incompatible materials:

Acids, alkalines, oxidants, reductants

#### 10.6 Hazardous decomposition products:

Under recommended usage conditions, hazardous decomposition products are not expected

Trade Name: EUCOCOAT EP HCR - B  
Version: 1  
Revision Date: 22.10.2020

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects:

H314 Skin Corr. 1B: Causes severe skin burns and eye damage.

H317 Skin Sens. 1: May cause an allergic skin reaction.

Calculated acute toxicity, ATE oral: /

Calculated acute toxicity, ATE dermal: /

Benzyl alcohol	LD50 oral, rat: 1 620 mg/kg LD50 dermal, rabbit: ≥ 5 000 mg/kg LC50, Inhalation, rat, 4h: 11 mg/l
Fatty acids, tall-oil, reaction products with triethylenetetramine	LD50 oral, rat: ≥ 5 000 mg/kg LD50 dermal, rabbit: ≥ 5 000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
2,4,6-Tris(dimethyl amino methyl)phenol	LD50 oral, rat: 2 169 mg/kg LD50 dermal, rabbit: ≥ 5 000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
Isophoronediamine	LD50 oral, rat: 1 030 mg/kg LD50 dermal, rabbit: 1 100 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
m-phenylenebis(methylamine)	LD50 oral, rat: 1 180 mg/kg LD50 dermal, rabbit: 3 100 mg/kg LC50, Inhalation, rat, 4h: 11 mg/l
3-aminopropyldimethylamine	LD50 oral, rat: 500 mg/kg LD50 dermal, rabbit: 1 100 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
Bis[(dimethylamino)methyl]fenol	LD50 oral, rat: ≥ 5 000 mg/kg LD50 dermal, rabbit: ≥ 5 000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l

Trade Name: EUCOCOAT EP HCR - B  
Version: 1  
Revision Date: 22.10.2020

## SECTION 12: Ecological information

### 12.1 Toxicity:

Benzyl alcohol	LC50 (Fish): 460 mg/L (72h) EC50 (Daphnia): 230 mg/L (48h) NOEC (Daphnia): 310 mg/L (72h) EC50 (Algae): 770 mg/L (72h)
Fatty acids, tall-oil, reaction products with triethylenetetramine	EC50 (Daphnia): 31 mg/L (48h) NOEC (Daphnia): 18 mg/L (48h)
2,4,6-Tris(dimethyl amino methyl)phenol	EC50 (Algae): 84 mg/L (72h)
Isophoronediamine	EC50 (Algae): 12 mg/L (Scenedesmus)(72h)
m-phenylenebis(methylamine)	LC50 (Fish): 87.6 mg/L (96h) EC50 (Daphnia): 87.6 mg/L (96h) EC50 (Algae): 20.3 mg/L (72h) EC50 (soil microorganisms): > 1000 mg/L (30min)
3-aminopropyldimethylamine	LC50 (Fish): 122 mg/L (96h) NOEC (Fish): >= 10 mg/L (96h) EC50 (Daphnia): 59,46 mg/L (48h) EC50 (Algae): 56,2 mg/L (72h) EC50 (soil microorganisms): 94,5 mg/L (17h)

### 12.2 Persistence and degradability:

No additional data available

### 12.3 Bioaccumulative potential:

No additional data available

### 12.4 Mobility in soil:

Water hazard class, WGK (AwSV): 3

Solubility in water: Not soluble

### 12.5 Results of PBT and vPvB assessment:

No additional data available

### 12.6 Other adverse effects:

No additional data available

Trade Name: EUCOCOAT EP HCR - B  
Version: 1  
Revision Date: 22.10.2020

---

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods:

Draining into the sewers is not permitted. Removal should be carried out by licensed services. Possible restrictive regulations by local authority should always be adhered to.

### SECTION 14: Transport information

#### 14.1 UN number:

2735

#### 14.2 UN proper shipping name:

UN 2735 Amines, liquid, corrosive, n.o.s. (mixture with 3-aminopropyldimethylamine; m-phenylenebis(methylamine)) , 8, II, (E)

#### 14.3 Transport hazard class(es):

Class(es): 8

Identification number of the hazard: 80

#### 14.4 Packing group:

II

#### 14.5 Environmental hazards:

Environmentally hazardous

#### 14.6 Special precautions for user:

Hazard characteristics: Risk of burns. Risk to the aquatic environment and the sewerage system.  
Additional guidance:



Trade Name: EUCOCOAT EP HCR - B  
Version: 1  
Revision Date: 22.10.2020

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Water hazard class, WGK (AwSV): 3  
Volatile organic component (VOC): 20.392 %  
Volatile organic component (VOC): /  
Composition by regulation (EC) 648/2004: None

### 15.2 Chemical Safety Assessment:

No data available

## SECTION 16: Other information

Legend to abbreviations used in the safety data sheet:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE: Acute Toxicity Estimate

BCF: Bioconcentration factor

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of chemicals

EINECS: European INventory of Existing commercial Chemical Substances

LC50: median Lethal Concentration for 50% of subjects

LD50: median Lethal Dose for 50% of subjects

Nr.: Number

PTB: Persistent, Toxic, Bioaccumulative

TLV: Threshold Limit Value

vPvB: very Persistent and very Bioaccumulative substances

WGK: Water hazard class

WGK 1: Slightly hazardous for water

WGK 2: Hazardous for water

WGK 3: Extremely hazardous for water

Legend to the H Phrases used in the safety data sheet:

H226 Flam. Liq. 3: Flammable liquid and vapour.

H302 Acute tox. 4: Harmful if swallowed.

H302+H312 Acute tox. 4: Harmful if swallowed or in contact with skin.

H312 Acute tox. 4: Harmful in contact with skin.

H314 Skin Corr. 1B: Causes severe skin burns and eye damage.

H314 Skin Corr. 1C: Causes severe skin burns and eye damage.

H317 Skin Sens. 1: May cause an allergic skin reaction.

Trade Name: EUCOCOAT EP HCR - B  
Version: 1  
Revision Date: 22.10.2020

---

H318 Eye Dam. 1: Causes serious eye damage.  
H319 Eye Irrit. 2: Causes serious eye irritation.  
H332 Acute tox. 4: Harmful if inhaled.  
H400 Aquatic Acute 1: Very toxic to aquatic life.  
H410 Aquatic Chronic 1: Very toxic to aquatic life with long lasting effects.  
H411 Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.  
H412 Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.  
CLP Calculation method: Calculation method  
Reason of revision, changes of following items: Section: 9.2

This safety information sheet has been compiled in accordance with annex II/A of the regulation (EU) No 2015/830. Classification has been calculated in accordance with European regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care. We cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned. To use this preparation for an experiment or a new application, the user must carry out a material suitability and safety study himself.