

EnduRoof 2K - Comp B

According to Regulation (EU) No. 1907/2006 – REACH

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY1.1 Product commercial name: **EnduRoof 2K - Comp B**Product code: Component-A: 160-2
 Component-B: 160-2

1.2 Uses:

Two component elastomeric, polyurethane based material, extended with pure chemically polymerized black bitumen, for waterproofing any surface.

1.3 Company/undertaking identification:

Superior Coatings & Concrete Trading
Swaefkenstraat 8
7415 EC Deventer
The Netherlands
Tel: +31 (0) 570-672971
Fax: +31 (0) 570-670343

1.4 Telephone number for emergency:

Tel.: +31 (0) 570-672971

2. HAZARDS IDENTIFICATION

2.1 Human health hazards:

Harmful. Danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Toxic for reproduction, Category 3. Irritating to eyes, respiratory system and skin.

2.2 Environmental hazards:

Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment. The product is high flammable, so keep away from sources of ignition. No smoking.

3. COMPOSITION/INFORMATION ON INGREDIENTS*Description:* Mixture of Asphalt in toluene.

Dangerous substance	CAS-no.	EC.no	Content	Classification
Diethylmethylbenzenediamine	68479-98-1	270-877-4	<2,5%	Xn; R21/22-48/22 – Xi; R36 – N; R50/53
Organic solvents: Toluene	108-88-3	203-625-9	10-13%	F; R11 – Repr. Cat. 3; R63 – Xn; R48/20-65 – Xi; R38 – R67

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- Specific Concentration Limit(s) of Diethylmethylbenzenediamine: Not available.
- Specific Concentration Limit(s) of Toluene: Not available.

4. FIRST - AID MEASURES**4.1 First Aid - Inhalation:**

Remove to fresh air. If rapid recovery does not occur, obtain medical attention.

4.2 First Aid - Skin:

Remove contaminated clothing. Wash skin with soap and plenty of water. If persistent irritation occurs, obtain medical attention.

4.3 First Aid - Eye:

Do not delay. Rinse immediately with soap and plenty of water for at least 10 min and seek medical advice.

4.3 First Aid - Ingestion:

Do not induce vomiting. Give nothing by mouth. Obtain medical attention immediately.

4.4 Advice to physicians:

Symptomatic treatment and supportive therapy as indicated. Following severe exposure the patient should be kept under medical review for at least 48 hours..

5. FIRE FIGHTING MEASURES**5.1 Extinguishing media:**

Dry chemical powder, carbon dioxide or protein based foam. Use water ONLY for cooling tanks and containers exposed to fire.

5.2 Unsuitable extinguishing media: -

Do not splash water straightway to flames.

5.3 Protective equipment:

Firefighters, gloves, full-protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions:**

Wear protective clothing, gloves and breathing apparatus.

6.2 Environmental precautions:

Prevent contamination of soil and water. Prevent further leakage or spillage and prevent from entering drains. If material enters drains, it should be pumped out into an open vessel.

6.3 Clean-up methods:

Use earth or sand as inert absorbent material. Pull down vapours by spraying with water. Wash away small spills with plenty of water, taking suitable measures in order to avoid pollution problems.

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7. HANDLING & STORAGE**7.1 Handling:**

Avoid contact with eye, respiratory system and skin. In case of insufficient ventilation, wear suitable respiratory equipment. Containers should be grounded for transfers to avoid sparks.

7.2 Storage:

Keep container tightly closed in a dry, well-ventilated place away from direct sunlight and other sources of heat or ignition. **Keep out of the reach of children.**

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Engineering control measures:**

Not required.

8.2 According to Toluene:

ACGIH value	Limit type	Value	Unit
Comonent name:	TLV/TWA	188	Mg/m ³
Toluene			
Threshold Limit value	188 mg/m ³		

8.3 Respiratory protection:

Where local exhaust ventilation is not practicable, wear full face-piece respirator with organic vapour cartridge. If risk of inhalation of aerosols/mists/spray wear self-contained breathing apparatus open circuit type.

8.4 Hand protection: Nitrile rubber gloves.**8.5 Eye protection:**

Goggles.

8.6 Body protection:

Standard issue work clothes.

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9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Appearance:

Low viscosity black fluid.

9.2 Odour:

Characteristic.

9.3 pH:

-

9.4 Boiling point (b.p.):

-

9.5 Melting point (m.p.):

-

9.6 Flash point (F.P.):

< 21 °C

9.7 Cloud point (cp 1%w/w):

-

9.8 Relative density (H₂O=1):

0.98, at 20 °C (ASTM D1475, DIN 53217).

9.9 Solubility in water:

Insoluble.

9.10 Soluble in: Organic

solvents.

9.11 Viscosity:

4000-7000 cP , 25 °C (ASTM D2196/86)

9.12 Direction of ionization:

-

9.13 Active solids content percent:

85%w/w.

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10. STABILITY/REACTIVITY

10.1 *Stability:*

Stable.

10.2 *Conditions to avoid:*

Heat, flame and static sparks.

10.3 *Materials to avoid:*

-

10.4 *Hazardous decomposition products:*

None known, apart from the vapors of organic solvents.

11. TOXICOLOGICAL INFORMATION

11.1 *Eye irritation:*

Irritant.

11.2 *Skin irritation:*

Irritant. LD 50 >2000 mg/kg

11.3 *Respiratory irritation:*

Harmful by inhalation. LD50>5mg/kg

11.4 *Ingestion irritation:*

Serious damage at very high concentrations. Do not delay. Go immediately to hospital.
LD50>2000mg/kg.

12. ECOLOGICAL INFORMATION

12.1 *Mobility:*

When released into soil, this material may evaporate to a moderate extent and is expected to leach into groundwater. When released into water, the material may evaporate to a moderate extent and it is expected to be toxic to aquatic life.

12.2 *Bio-accumulation:*

Does not bio-accumulate significantly.

12.3 *Persistence/degradability:*

-

12.4 *Eco-toxicity:*

The product does not contain heavy metals or other harmful ingredients.

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13. DISPOSAL CONSIDERATIONS

13.1 Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved incinerator. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

As the product is listed as flammable may package in tightly sealed containers and keep away from sources of ignition.

UN Number: 1139

Shipping name: ROOF PAINT

Classifications:

ADR/RID	Class: 3	Packaging group: III
IMO	Class: 3.3	Packaging group: III
IATA/ICAO	Class: 3	Packaging group: III

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15. REGULATORY INFORMATION

15.1 EC Classification:

Harmful, High Flammable

15.2 Contains:

Diethylmethylbenzenediamine, Toluene.

15.3 EC Symbols:

Xn, F

15.4 EC Risk phrases:

R11 High Flammable.

R38 Irritant to skin.

R48/20 Danger of serious damage to health by prolonged exposure through inhalation.

R52/53 Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

R63 Possible risk of harm to the unborn child

15.5 EC Safety phrases:

S2 Keep out of the reach of children.

S16 Keep away from sources of ignition – No smoking.

S36/37 Wear suitable protective clothing and gloves.

S46 If swallowed, seek medical advice immediately and show this container or label.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

16. OTHER INFORMATION

MSDS history

16.1 Edition No:

05

16.2 First issue:

17-01-06.

16.3 Revised:

12-03-09, According to: 2001/58/EC, 1999/45/EC, 2001/59/EC & 1907/2006/EK (L396/30.12.2006) – REACH

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