

MATERIAL SAFETY DATA SHEET

Product: Hypertectum AR® Date: 02-02-10 Revision Date: 03-04-10 Page: 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade name: Hypertectum AR® - AF®

Product code: 50-2

Uses: One component waterproofing and protection elastomeric material, based on polyurethane resin for the building industry.

Company:

ETS-Europe

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FAX: +32 (0) 3475 16 66

e-mail: info@ets-europe.be

Emergency telephone number: +32 (0) 3 227 28 58 (business hours only).

2. HAZARDS IDENTIFICATION

Human health hazards: Irritant by inhalation, in contact with eyes and if swallowed.

Safety hazards: No specific hazards because the product is fully polymerized by atmospheric humidity to a solid rubber like material. The product is flammable, so keep away from sources of ignition. No smoking.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description: Polyurethane polymer.

Dangerous Substance	CAS-no.	EC.no	Content	Classification
Organic solvents: Mixed xylene (o,p,m-xylene)	1330-20-7	215-535-7	3-10%	R10; Xn - R20/21 - Xi; R38

- Specific Concentration Limit(s) of Mixed xylenes:

Concentration	Classification
C ≥ 20 %	Xn; R20/21-38
12,5 % ≤ C < 20 %	Xn; R20/21

4. FIRST - AID MEASURES

First Aid - Inhalation: Remove to fresh air.

First Aid - Skin: Wash immediately with alcohol, soap and water. If rapid removal does not occur, remove it after it's fully polymerized.

First Aid - Eye: Wash immediately with soap and water. Obtain medical advice if there are persistent symptoms.

First Aid - Ingestion: Do not induce vomiting. Give nothing by mouth. Obtain medical attention.

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.

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Date: 02-02-10

Revision Date: 03-04-10

Page: 2

5. FIRE FIGHTING MEASURES

Extinguishing media: sand, dry extinguishing media, foam and carbon dioxide.

Unsuitable extinguishing media: -

Protective equipment: Firefighters, gloves and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective clothing, gloves and mask respirator, in case of insufficient ventilation.

Environmental precautions: No specific hazards because the product is fully polymerized by atmospheric humidity to a solid rubber like material.

Clean-up methods: After the mixing of the material with sand and pieces of wood transfer it to a tank for suitable incineration in accordance with local regulations.

7. HANDLING & STORAGE

Handling: Avoid contact with eye, respiratory system and skin. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage: In the original containers tightly sealed in a dry place and keep away from sources of ignition. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering control measures: Not required.

Occupational exposure standards: None established.

Respiratory protection: In case of insufficient ventilation, wear suitable mask respirator with organic vapour cartridge.

Hand protection: None specified requirements.

Eye protection: None specified requirements.

Body protection: None specified requirements.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Viscous liquid at White, Red and different other colors.

Odour: Characteristic.

pH: -

Boiling point (b.p.): -

Melting point (m.p.): -

Flash point (F.P.): 42 0C (ASTM D93, Closed cup).

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

Relative density (H₂O=1): 1.3 - 1.4, at 20 0C (DIN 53217).

Solubility in water: Immiscible.

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Date: 02-02-10

Revision Date: 03-04-10

Page: 3

Soluble in: Organic solvents.

Viscosity (Brookfield): 4500-7500 cP, at 25 0C (ASTM D2196/86).

Direction of ionization: -

Active solids content percent: min 90%w/w.

10. STABILITY/REACTIVITY

Stability: Minimum self-life in sealed containers 12 months under ambient conditions.

Conditions to avoid: Humidity, long term studies at the sun and high temperature (>40 0C).

Materials to avoid: Amines, alcohols and water.

Hazardous decomposition products: None expected.

11. TOXICOLOGICAL INFORMATION

Eye irritation: May cause serious damage.

Skin irritation: Irritant.

Respiratory irritation: Long term inhalation studies on the product may lead to bronchoconstriction (asthmatic signs and symptoms)

Ingestion irritation: Serious damage at very high concentrations. Do not delay. Go immediately to hospital.

Information on the exposure (experimental data):

Oral mouse: LD50: >2200 mg/kg

12. ECOLOGICAL INFORMATION

Mobility: None expected because of the fully polymerization of the product to a solid rubber like material.

Bio-accumulation: It is like the rubbers.

Persistence/degradability: -

Eco-toxicity: The product does not contain heavy metals or other harmful ingredients. The contained solvents are bio-accumulate and the fillers are physical materials. The contained free isocyanates are fully polymerized by atmospheric humidity to a solid rubber like material, which is familiar to the environment.

13. DISPOSAL CONSIDERATIONS

Must be disposed of by special means, e.g. suitable incineration in accordance with local regulations.

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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Product: Hypertectum AR®	Date: 02-02-10	Revision Date: 03-04-10	Page: 4
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15. REGULATORY INFORMATION

EC Classification: -

Contains: -

EC Symbols: <<Contains isocyanates. See the instructions of the producer>>.

EC Risk phrases: R10 Flammable.

EC Safety phrases: S2 Keep out of the reach of children.
S23 Do not breath fumes/vapour/spray.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately of plenty of water and seek medical advice.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.
S40 To clean the floor and all objects contaminated by this material, use Solvent-01 or pure xylene.
S46 If swallowed, seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

MSDS history:

Edition No: 01

First issue: 20-05-09

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

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