



# HQC BLOCK PAVING SEALER

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                             |  |
|-----------------------------|--|
| 1.01 Product Code:          | HQBP   |
| 1.02 Product Name:          | HQC Block Paving Sealer  |
| 1.03 Synonyms:              | Thermilate Professional Block Paving Sealer                          |
| 1.04 Manufacturer/Supplier: | Thermilate Technologies Ltd.   |
| 1.06 Address:               | Unit 48<br>Birds Royd Lane<br>BRIGHOUSE<br>West Yorkshire<br>HD6 1NG |
| 1.07 Contact:               | Operations Director  |
| 1.08 Phone Number:          | 0845 680 6124  |

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Substances presenting a physico-chemical, health or environmental hazard within the meaning of the CHIP Regulations or which are assigned occupational exposure limits.

| CAS No.    | HAZARDOUS INGREDIENTS            |
|------------|----------------------------------|
| 1330-20-70 | XYLENE                           |
|            | EPOXY - FUNCTIONAL ACRYLIC RESIN |

Note: The text for R phrase codes shown above (if any) is given in section 16.  
Note: 'EC Number' if quoted is the EINECS or ELINCS number.

## 3. HAZARD INFORMATION

|                       |  |
|-----------------------|--|
| Classified as Harmful |  |
| R 10                  | Flammable                                      |
| R 20/21               | Harmful by inhalation and in contact with skin |
| R 38                  | Irritating to skin                             |

## 4. FIRST AID MEASURES

|                    |  |
|--------------------|--|
| 4.01 Eye Contact:  | Flush out with clean water for 10 minutes. Get medical help, if necessary.         |
| 4.02 Skin Contact: | Wash area of contact with soap and water.  |
| 4.03 Ingestion:    | Seek urgent medical attention. DO NOT INDUCE VOMITING.                             |
| 4.04 Inhalation:   | Move to fresh air if unconscious turn into recovery position.<br>Get medical help. |

## 5. FIRE PREVENTION MEASURES

|   |  |
|---|--|
| 5.01 Suitable extinguishing agents:                     | Foam, carbon dioxide, fire extinguishing powder.   |
| 5.02 Unsuitable extinguishing media for safety reasons: | Water jet.   |
| 5.03 Protective equipment:                              | Wear self contained respiratory protective device. |



## HQC BLOCK PAVING SEALER

### 6. ACCIDENTAL RELEASE MEASURES

|                                |  |
|--------------------------------|--|
| 6.01 Personal precautions:     | Wear relevant PPE.   |
| 6.02 Environmental protection: | Do not allow to enter sewer, surface or ground water.  |
| 6.03 Cleaning up:              | Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).<br>Dispose contaminated waste according to item 13. |

### 7. HANDLING & STORAGE

|                                     |  |
|-------------------------------------|--|
| 7.01 Handling:                      | Ensure good ventilation / exhaustion at the workplace.                                   |
| 7.02 Storage:                       | Must be stored in tightly sealed containers.   |
| 7.03 Fire and explosion protection: | Keep away from sources of ignition. Do not smoke. Protect against electrostatic charges. |

### 8. PERSONAL PROTECTION MEASURES AND EXPOSURE CONTROLS

#### EXPOSURE LIMIT VALUES

|                              |   |
|------------------------------|---|
| 8.01 Exposure Limit values:  | OES<br>Short term value: 441 mg/m <sup>3</sup> , 100ppm<br>Long term value: 220 mg/m <sup>3</sup> , 50ppm |
| 8.02 Respiratory protection: | Where exposure levels exceed the OEL, suitable respiratory protective devices must be worn.               |
| 8.03 Eye Protection:         | Tightly sealed goggles.   |
| 8.04 Skin Protection:        | Protective gloves.  |

OEL - Occupational Exposure Limits

WEL -Workplace Exposure Limit

SUP -Manufacturer's recommended Limit

LTEL - Long-term Exposure Limit.

TWA - Time weighted Average

STEL - Short term Exposure Limit (15mins)

SK - Risk of absorption through unbroken skin

SEN - Respiratory sensitiser

RD - Figure quoted is for Respirable dust

ID - Figure quoted is for Inhalable dust

Further guidance on WELs and OELs, and on occupational exposure to harmful materials (including mixed exposures) is given in HSE Guidance Note EH40.

### 9. PHYSICAL AND CHEMICAL DATA

|                           |                                  |
|---------------------------|----------------------------------|
| 9.01 Appearance:          | Fluid                            |
| 9.02 Odour:               | Characteristic                   |
| 9.03 PH                   | N/A                              |
| 9.04 Viscosity:           | Dynamic at 20°C < 0.61 mPas      |
| 9.05 Freezing point:      | N/A                              |
| 9.06 Boiling point:       | 137-143°C                        |
| 9.07 Melting point:       | N/A                              |
| 9.08 Flash point:         | 30°C                             |
| 9.10 Explosion limits:    | Lower 1.1 vol%      Upper 7 vol% |
| 9.11 Density:             | > 0.87 g/cm at 20°C              |
| 9.12 Solubility in water: | 0.2g/l                           |



## HQC BLOCK PAVING SEALER

### 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| 10.01 Dangerous reactions:              | Reacts with strong oxidising agents.                            |
| 10.02 Dangerous decomposition products: | Carbon monoxide and carbon dioxide. Poisonous gasses / vapours. |

### 11. TOXICOLOGICAL DATA

|   |        |      |                    |
|---|--------|------|--------------------|
| 11.01 LD/LC50 values relevant for classification: | Oral   | LD50 | 4300mg/kg (rat)    |
| 11.02 Primary irritant effect:                    | Dermal | LD50 | 2000mb/kg (rabbit) |

### 12. ECOLOGICAL DATA

Insoluble in water. Non Biodegradable. Water hazard class 2 (German regulation).

Aquatic toxicity: LC50(96u) 165ppm (daphnia)

### 13. DISPOSAL

Wastes, including emptied containers, should be disposed of in accordance with national regulations.

CODES ACCORDING TO THE LIST OF WASTES REGULATIONS:

Product as supplied: Assigned as non-hazardous waste code 08 01 12 waste paint and varnish other than those mentioned in 08 01 11.

Part-used containers, containing dried residues of the supplied product: Assigned as non-hazardous waste code 08 01 12 waste paint and varnish other than those mentioned in 08 01 11

Used containers, rigorously scraped out and containing dried residues of the supplied product: Assigned as non-hazardous waste code 15 01 02 plastic packaging OR non-hazardous waste code 15 01 04 metal packaging.

“Rigorously scraped out” means removing the maximum amount of product from the container by physical or mechanical means (draining or scraping) to leave a residue or contamination that cannot be removed by such means.

These codes have been assigned based on the actual composition of the product both as supplied and as dried residues. If mixed with other wastes, the waste codes quoted may not be applicable.

### 14. TRANSPORT INFORMATION

|                       |                       |                              |
|-----------------------|-----------------------|------------------------------|
| 14.01 Land Transport: | ADR/RID class:        | 3 flammable liquids          |
|                       | Danger Code:          | 30                           |
|                       | UN-number:            | 1307                         |
|                       | Packaging group:      | III                          |
|                       | Hazard label:         | 3                            |
|                       | Description of goods: | Xylene based acrylic sealers |

|                         |                  |                              |
|-------------------------|------------------|------------------------------|
| 14.02 Marine Transport: | IMDG class:      | 3                            |
|                         | UN-number:       | 1307                         |
|                         | Packaging group: | III                          |
|                         | Label:           | 3                            |
|                         | Shipping name:   | Xylene based acrylic sealers |
|                         | EMS number:      | F-E, S-D                     |

## HQC BLOCK PAVING SEALER

### 14. TRANSPORT INFORMATION (CONTINUED)

|                      |                  |                              |
|----------------------|------------------|------------------------------|
| 14.01 Air transport: | ICAO/IATA class: | 3                            |
|                      | UN/ID number:    | 1307                         |
|                      | Label:           | 3                            |
|                      | Packaging group: | III                          |
|                      | Shipping name:   | Xylene based acrylic sealers |

### 15. REGULATORY INFORMATION

#### Classification - Xn Harmful

|                    |       |  |
|--------------------|-------|--|
| 15.01 Risk phrases | 10    | Flammable                                      |
|                    | 20/21 | Harmful by inhalation and by contact with skin |
|                    | 38    | Irritating to skin                             |

### 16. OTHER INFORMATION

This information should be used as a supplement to other information obtained to make independent judgement of suitability and to ensure proper use and protect the health and safety of employees.

Judgement as to the suitability of the information herein for the purchaser's purposes are the purchaser's responsibility. Therefore although reasonable care has been taken in the preparation of such information, Thermilate Technologies Ltd extends no warranties, makes no representations and assumes no responsibility as to the accuracy of suitability of such information for application to purchasers intended purpose or for consequences of its use.



Prepared by Thermilate Technologies Ltd

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This Product Data Sheet supersedes all other previously dated sheets for this product.