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## SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulation 1907/2006-2015/830

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

#### 1.1 Product identifier

- Product Name: Quickmast PTS - Hardener
- Product Part Number: C12/04/02/076H

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

- Use of the substance/mixture: Hardener component of three part Flexible solvent free polyurethane joints transition strip mortar

#### 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Ayla for Building Materials Industry & Trade
- Address of Supplier: Al-Karadeh, Arsat Al-Hindia  
Baghdad
- Telephone: + 964 790 1488 730
- Email: info.iraq@dcp-int.com

#### 1.4 Emergency telephone number

- Emergency Telephone: + 964 790 1488 730 (available during work hours)

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

- CLP: Resp. Sens. 1, Skin Sens. 1, Skin Irrit. 2, Eye Irrit. 2, Carc. 2, STOT SE 3, STOT RE 2, Aquatic Chronic 1, Acute Tox. 4

#### 2.2 Label elements



- Signal Word: Danger
- Hazard statements
  - H351 - Suspected of causing cancer by inhalation
  - H373 - May cause damage to organs through prolonged or repeated exposure.
  - H315 - Causes skin irritation.
  - H319 - Causes serious eye irritation.
  - H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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**SECTION 2: Hazards identification (....)**

- H317 - May cause an allergic skin reaction.
- H332 - Harmful if inhaled.
- H335 - May cause respiratory irritation.
- H410 - Very toxic to aquatic life with long lasting effects.
- EUH204 - Contains isocyanates. May produce an allergic reaction.

- Precautionary statements

- P201 - Obtain special instructions before use.
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P304+P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308+P313 - IF exposed or concerned: Get medical advice/attention.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P308+P313 - IF exposed or concerned: Get medical advice/attention.
- P284 - Wear respiratory protection.
- P285 - In case of inadequate ventilation wear respiratory protection.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P201 - Obtain special instructions before use.
- P273 - Avoid release to the environment.
- P501 - Dispose of contents/container to an authorised waste collection point
- P314 - Get medical advice/attention if you feel unwell.
- P264 - Wash thoroughly after handling.
- P337+P313 - If eye irritation persists: Get medical advice/attention.
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
- P363 - Wash contaminated clothing before reuse.
- P391 - Collect spillage.
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P362+P364 - Take off contaminated clothing and wash it before reuse.

**2.3 Other hazards**

- Contains: Diphenylmethandiisocyanate, isomers and homologues
- Persons who suffer from hypersensitivity of the respiratory tract (e.g. asthmatics and chronic bronchitis sufferers) should avoid handling this product.
- Symptoms affecting the respiratory tract can also occur several hours after overexposure.
- Dust, vapors and aerosols are the primary risk to the respiratory tract.

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**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

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## SECTION 3: Composition/information on ingredients (....)

- Diphenylmethandiisocyanate, isomers and homologues
    - CAS Number: 9016-87-9
    - EC Number: 618-498-9
    - Concentration: 25 - 50%
    - Categories: Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, Carc. 2, STOT SE 3, STOT RE 2
    - Symbols: GHS07, GHS08
    - H Statements: H315, H317, H319, H332, H334, H335, H351, H373
  - alkanes, C14-17, chloro; chlorinated paraffins, C14-17
    - CAS Number: 85535-85-9
    - EC Number: 287-477-0
    - Concentration: 40 - 70%
    - Categories: Aquatic Acute 1; Aquatic Chronic 1
    - Symbols: GHS09
    - H Statements: H362, H400, H410, EUH066
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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice: Soiled, soaked clothing and shoes must be immediately removed, decontaminated and disposed of.

- Inhalation
  - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - Get medical advice/attention if you feel unwell.
- Contact with skin
  - IF ON SKIN: Wash with plenty of soap and water.
  - After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of polyethylene glycol
  - If skin irritation or rash occurs: Get medical advice/attention.
  - Wash contaminated clothing before reuse.
- Contact with eyes
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - If eye irritation persists: Get medical advice/attention.
- Ingestion
  - Do NOT induce vomiting.
  - Get immediate medical advice/attention.

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

Notes to physician: The product irritates the respiratory tract and may trigger sensitisation of the skin and respiratory tract. Treatment of acute irritation or bronchial constriction is primarily symptomatic. Extended medical treatment may be required depending on the degree of exposure

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## SECTION 4: First aid measures (....)

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

- No information available

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- In case of fire: use foam, carbon dioxide or dry agent to extinguish.
- Do not use water jets

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

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapors and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

Fire in vicinity poses risk of pressure build-up and rupture. Containers at risk from fire should be cooled with water and, if possible, removed from the danger area.

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

Rapid above 180 °C with liberation of HCl, Sulphur Dioxide and Carbon monoxide

### 5.3 Advice for firefighters

During fire-fighting respirator with independent air-supply and airtight garment is required.

Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

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## SECTION 6: Accidental release measures

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

- Wear suitable protective clothing
- Ensure adequate ventilation

### 6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- Prevent further spillage if safe

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

Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand). After approx. one hour transfer to waste container and do not seal (evolution of CO<sub>2</sub>!). Keep damp in a safe ventilated area for several days.

Spill area can be decontaminated with the following recommended decontamination solution:

Decontamination solution 1: 8-10% sodium carbonate and 2% of liquid soap in water

Decontamination solution 2: Liquid/yellow soap (potassium soap with ~15% anionic tenside): 20ml  
Water: 700ml; Polyethylenglycol (PEG 400): 350ml

### 6.4 Reference to other sections

- See Section 8, 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use personal protective equipment as required.
- In case of inadequate ventilation wear respiratory protection.
- Do not eat, drink or smoke when using this product.
- Keep away from food, drink and animal foodstuffs
- Use good personal hygiene practices
- Get medical advice/attention if you feel unwell.
- Wash contaminated clothing before reuse.

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

- Store in original, correctly labelled and tightly closed containers

### 7.3 Specific end use(s)

- No information available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- No information available

### 8.2 Exposure controls



- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use personal protective equipment as required.
- In case of inadequate ventilation wear respiratory protection.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Brown liquid
- Odour: Characteristic odour
- Boiling Point/Range: > 300 °C
- Flashpoint: > 200 °C
- pH: Not applicable
- Specific Gravity: 1.25 ± 0.02

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**SECTION 9: Physical and chemical properties (....)**

- Solubility in water: Immiscible with water

**9.2 Other information**

- No information available
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**SECTION 10: Stability and reactivity****10.1 Reactivity**

- No information available

**10.2 Chemical stability**

Polymerises at about 200 °C with evolution of CO<sub>2</sub>.

**10.3 Possibility of hazardous reactions**

Exothermic reaction with amines and alcohols; reacts with water forming CO<sub>2</sub>; in closed containers, risk of bursting owing to increase of pressure.

May form Hydrogen chloride with decomposition

Can react with alkali metals and alkaline earth metal which have a strong affinity for chlorine can react with iron, zinc, aluminum at high temperatures leading to decomposition.

**10.4 Conditions to avoid**

Heat and hot surfaces

**10.5 Incompatible materials**

- Avoid contact with water
- Avoid contact with moisture
- Strong oxidising agents

**10.6 Hazardous decomposition products**

Prolonged heating at temperatures in excess of 70 °C and above 200 °C for short periods of time will result decomposition and liberation of hydrogen chloride.

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Toxicology Assessment

diphenylmethane-diisocyanate, isomers and homologues

Acute effects: Harmful if inhaled. The product causes irritation of eyes, skin and mucous membranes.

Sensitization: May cause sensitization by inhalation and skin contact.

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**SECTION 12: Ecological information****12.1 Toxicity**

Ecotoxicology Assessment

diphenylmethane-diisocyanate, isomers and homologues

Acute aquatic toxicity: Based on available data, the classification criteria are not met.

Chronic aquatic toxicity: Based on available data, the classification criteria are not met.

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## SECTION 12: Ecological information (....)

Toxicity Data on Soil: Not expected to adsorb on soil. The substance is graded as non-critical to soil-dwelling organisms.

Impact on Sewage Treatment: Because of the low bacterial toxicity, there is no risk of an adverse effect on the performance of biological waste water treatment plants.

### 12.2 Persistence and degradability

- No information available

### 12.3 Bioaccumulative potential

- No information available

### 12.4 Mobility in soil

- No information available

### 12.5 Results of PBT and vPvB assessment

- No information available

### 12.6 Other adverse effects

Isocyanate reacts with water at the interface forming CO<sub>2</sub> and a solid insoluble product with high melting point (polyurea). This reaction is accelerated by surfactants (e.g. detergents) or by watersoluble solvents. Previous experience shows that polyurea is inert and non-degradable.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Avoid release to the environment. Refer to special instructions/Safety data sheets
- Disposal should be in accordance with local, state or national legislation
- Dispose of contents/container to an authorised waste collection point.
- Do not empty into drains - dispose of this material and container in a safe way

After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Once the product residues adhering to the walls of the containers have been rendered harmless, the product and hazard labels must be invalidated. These containers can be returned for recycling to the appropriate centres set up within the framework of the existing take-back scheme of the chemical industry.

Containers must be recycled in compliance with national legislation and environmental regulations.

None disposal into waste water.

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## SECTION 14: Transport information



UN No.: 3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Hazard Class: 9

Packing Group: III

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**SECTION 14: Transport information (....)****14.1 Air (ICAO/IATA)**

- ICAO UN No.: 3082
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- ICAO Hazard Class: 9
- ICAO Packing Group: III

**14.2 Road/Rail (ADR/RID)**

- ADR UN No.: 3082
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- ADR Hazard Class: 9

**14.3 Sea (IMDG)**

- IMDG UN No.: 3082
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- IMDG Hazard Class: 9
- IMDG Pack Group.: III

**14.4 Environmental hazards**

- Marine Pollutant

**14.5 Special precautions for user**

- No information available

**14.6 Transport in bulk according to Annex II of Marpol and the IBC Code**

- No information available

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- This Safety Data Sheet is provided in compliance with the EC Directive 82/501/EEC (the Seveso Directive)

**15.2 Chemical safety assessment**

- A REACH chemical safety assessment has not been carried out

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**SECTION 16: Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- EUH066: Repeated exposure may cause skin dryness or cracking. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H332: Harmful if inhaled. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335: May cause respiratory irritation. H351: Suspected of causing cancer. H362: May cause harm to breast-fed children. H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.

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**SECTION 16: Other information (....)**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

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