

Safety Data Sheet according to  
Regulation (EC) 'No. 2015/830**STONHARD****SECTION 1: Identification of the Substance/Mixture and the Company/Undertaking**

|     |                                                                               |                                                                                                                                                                                                                |                  |            |
|-----|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|
| 1.1 | Product Identifier                                                            | IS25000-000A                                                                                                                                                                                                   | Revision Date:   | 26/05/2022 |
|     | Product Name:                                                                 | STONDECK XD2 PART A                                                                                                                                                                                            | Supersedes Date: | New SDS    |
|     | UFI Code:                                                                     | No Information                                                                                                                                                                                                 |                  |            |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | Component of multicomponent industrial coatings - Industrial use.                                                                                                                                              |                  |            |
| 1.3 | Details of the supplier of the safety data sheet                              |                                                                                                                                                                                                                |                  |            |
|     | Importer:                                                                     | None                                                                                                                                                                                                           |                  |            |
|     | Manufacturer:                                                                 | StonCor Middle East L.L.C.<br>Plot # B518, Al Quoz Industrial Area 3<br>P.O. Box: 3034<br>Dubai, U.A.E.                                                                                                        |                  |            |
|     |                                                                               | Regulatory / Technical Information:<br>+971 4 347 0460<br>+971 4 347 0242 (fax)                                                                                                                                |                  |            |
|     | Datasheet Produced by:                                                        | Rivero, Melody - ehs@stoncor.com                                                                                                                                                                               |                  |            |
| 1.4 | Emergency telephone number:                                                   | CHEMTREC +1 703 5273887 (Outside US)<br>+ 971 55 781 7362(Sarvar Ansari- Regional Technical Manager)<br>+ 971 50 293 4945 (C M Selvan - Regional Operations Manager)<br><br>Giftinformasjonen: +47 22 59 13 00 |                  |            |

**SECTION 2: Hazard Identification****2.1 Classification of the substance or mixture**

Classification according to Classification, Labeling &amp; Packaging Regulation (EC) 1272/2008

**HAZARD STATEMENTS**

|                                        |      |
|----------------------------------------|------|
| Skin Irritation, category 2            | H315 |
| Skin Sensitizer, category 1            | H317 |
| Eye Irritation, category 2             | H319 |
| Acute Toxicity, Inhalation, category 4 | H332 |
| Respiratory Sensitizer, category 1     | H334 |
| STOT, single exposure, category 3, RTI | H335 |

Carcinogenicity, category 2  
STOT, repeated exposure, category 2

H351  
H373

## 2.2 Label elements

### Symbol(s) of Product



### Signal Word

Danger

### Named Chemicals on Label

4,4'-methylenediphenyl diisocyanate, isocyanic acid, polymethylenepolyphenylene ester

#### HAZARD STATEMENTS

|                                        |      |                                                                            |
|----------------------------------------|------|----------------------------------------------------------------------------|
| Skin Irritation, category 2            | H315 | Causes skin irritation.                                                    |
| Skin Sensitizer, category 1            | H317 | May cause an allergic skin reaction.                                       |
| Eye Irritation, category 2             | H319 | Causes serious eye irritation.                                             |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled.                                                        |
| Respiratory Sensitizer, category 1     | H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation.                                          |
| Carcinogenicity, category 2            | H351 | Suspected of causing cancer.                                               |
| STOT, repeated exposure, category 2    | H373 | May cause damage to organs through prolonged or repeated exposure.         |

#### PRECAUTION PHRASES

|              |                                                                                                                                     |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------|
| P260         | Do not breathe dust/fume/gas/mist/vapours/spray.                                                                                    |
| P280         | Wear protective gloves/protective clothing/eye protection/face protection.                                                          |
| P284         | Wear respiratory protection.                                                                                                        |
| P285         | In case of inadequate ventilation wear respiratory protection.                                                                      |
| P302+352     | IF ON SKIN: Wash with plenty of soap and water.                                                                                     |
| P304+340     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                    |
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. |
| P308+313     | IF exposed or concerned: Get medical advice/attention.                                                                              |
| P314         | Get medical advice/attention if you feel unwell.                                                                                    |
| P333+313     | If skin irritation or rash occurs: Get medical advice/attention.                                                                    |
| P341         | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.                     |
| P342+311     | If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.                                                     |

## 2.3 Other hazards

No Information

### Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

## SECTION 3: Composition/Information On Ingredients

### 3.2 Mixtures

#### Hazardous ingredients

| Name According to EEC | EINEC No. | CAS-No. | % | Classifications |
|-----------------------|-----------|---------|---|-----------------|
|-----------------------|-----------|---------|---|-----------------|

|                                                         |           |           |           |                                      |
|---------------------------------------------------------|-----------|-----------|-----------|--------------------------------------|
| isocyanic acid,<br>polymethylenepolyphen<br>ylene ester | 618-498-9 | 9016-87-9 | 75-100    | H315-317-319-332-334-<br>335-351-373 |
| 4,4'-methylenediphenyl<br>diisocyanate                  | 202-966-0 | 101-68-8  | 2.5 - <10 | H315-317-319-332-334-<br>335-351-373 |

| <u>CAS-No.</u> | <u>M-Factors</u> | <u>REACH Reg No.</u> |
|----------------|------------------|----------------------|
|----------------|------------------|----------------------|

9016-87-9

101-68-8

**Additional Information:** The text for CLP Hazard Statements shown above (if any) is given in Section 16.

## SECTION 4: First-aid Measures

### 4.1 Description of First Aid Measures

**GENERAL NOTES:** When symptoms persist or in all cases of doubt seek medical advice.

**AFTER INHALATION:** Move to fresh air. Consult a physician after significant exposure.

**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**AFTER EYE CONTACT:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.

**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person.

#### Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

No Information

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## SECTION 5: Fire-fighting Measures

### 5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

**FOR SAFETY REASONS NOT TO BE USED:** Alcohol, Alcohol based solutions, any other media not listed above.

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

No Information

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Dry powderFoamCarbon dioxide (CO2).

## SECTION 6: Accidental Release Measures

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

Ensure adequate ventilation. Use personal protective equipment.

### 6.2 Environmental precautions

No Information

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

Pick up and transfer to properly labelled containers. No special environmental precautions required. After cleaning, flush away

traces with water.

#### 6.4 Reference to other sections

**FURTHER INSTRUCTIONS:** Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

### SECTION 7: Handling and Storage

#### 7.1 Precautions for safe handling

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Avoid prolonged contact with eyes, skin and clothing.

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

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

**CONDITIONS TO AVOID:** Avoid dust accumulation in enclosed space.

**STORAGE CONDITIONS:** Keep tightly closed in a dry and cool place.

#### 7.3 Specific end use(s)

No specific advice for end use available.

### SECTION 8: Exposure Controls/Personal Protection

#### 8.1 Control parameters

##### Ingredients with Occupational Exposure Limits (EU)

| <u>Name</u>                                      | <u>CAS-No.</u> | <u>LTEL ppm</u> | <u>STEL ppm</u> | <u>STEL mg/m3</u> | <u>LTEL mg/m3</u> |
|--------------------------------------------------|----------------|-----------------|-----------------|-------------------|-------------------|
| isocyanic acid, polymethylenepolyphenylene ester | 9016-87-9      |                 |                 |                   |                   |
| 4,4'-methylenediphenyl diisocyanate              | 101-68-8       |                 |                 | 0.07              |                   |

| <u>Name</u>                                      | <u>CAS-No.</u> | <u>OEL Note</u> |
|--------------------------------------------------|----------------|-----------------|
| isocyanic acid, polymethylenepolyphenylene ester | 9016-87-9      |                 |
| 4,4'-methylenediphenyl diisocyanate              | 101-68-8       |                 |

**FURTHER ADVICE:** Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation.

#### 8.2 Exposure controls

##### Personal Protection

**RESPIRATORY PROTECTION:** In case of insufficient ventilation wear suitable respiratory equipment.

**EYE PROTECTION:** Tightly fitting safety goggles.

**HAND PROTECTION:** Impervious gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Long sleeved clothing.

**OTHER PROTECTIVE EQUIPMENT:** No Information

**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas.

**Chemical Name:****EC No.:****CAS-No.:****DNELs - Derived no effect level**

| Route of Exposure | Workers            |                        |                       |                          | Consumers          |                        |                       |                          |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
|                   | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral              | Not required       |                        |                       |                          |                    |                        |                       |                          |
| Inhalation        |                    |                        |                       |                          |                    |                        |                       |                          |
| Dermal            |                    |                        |                       |                          |                    |                        |                       |                          |

**PNEC's - Predicted no effect concentration**

|                                    |      |
|------------------------------------|------|
| Environmental protection target    | PNEC |
| Fresh water                        |      |
| Fresh water sediments              |      |
| Marine water                       |      |
| Marine sediments                   |      |
| Food chain                         |      |
| Microorganisms in sewage treatment |      |
| soil (agricultural)                |      |
| Air                                |      |

**SECTION 9: Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

|                                                     |                |
|-----------------------------------------------------|----------------|
| <b>Appearance:</b>                                  | Opaque black   |
| <b>Physical State</b>                               | Liquid         |
| <b>Odor</b>                                         | Aromatic odor  |
| <b>Odor threshold</b>                               | Not determined |
| <b>pH</b>                                           | Not determined |
| <b>Melting point / freezing point (°C)</b>          | Not determined |
| <b>Boiling point/range (°C)</b>                     | N.D. - N.D.    |
| <b>Flash Point, (°C)</b>                            | 198            |
| <b>Evaporation rate</b>                             | Not determined |
| <b>Flammability (solid, gas)</b>                    | Not determined |
| <b>Upper/lower flammability or explosive limits</b> | Not determined |
| <b>Vapour Pressure</b>                              | Not determined |
| <b>Vapour density</b>                               | Less than 4.3  |
| <b>Relative density</b>                             | Not determined |
| <b>Solubility in / Miscibility with water</b>       | Not determined |
| <b>Partition coefficient: n-octanol/water</b>       | Not determined |
| <b>Auto-ignition temperature (°C)</b>               | Not determined |
| <b>Decomposition temperature (°C)</b>               | Not determined |
| <b>Viscosity</b>                                    | 30,500 cps     |
| <b>Explosive properties</b>                         | Not determined |
| <b>Oxidising properties</b>                         | Not determined |

**9.2 Other information**

VOC Content g/l: 2.00

Specific Gravity (g/cm3) 1.233

**SECTION 10: Stability and Reactivity****10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous polymerisation does not occur.

**10.4 Conditions to avoid**

Avoid dust accumulation in enclosed space.

**10.5 Incompatible materials**

No Information

**10.6 Hazardous decomposition products**Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.**SECTION 11: Toxicological Information****11.1 Information on toxicological effects****Acute Toxicity:**

Oral LD50: No information available.

Inhalation LC50: No information available.

Irritation: No information available.

Corrosivity: No information available.

Sensitization: No information available.

Repeated dose toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

Toxicity for reproduction: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.  
Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Name According to EEC</u>                           | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u>                 | <u>Gas LC50</u> | <u>Dust/Mist LC50</u> |
|----------------|--------------------------------------------------------|------------------|--------------------|-----------------------------------|-----------------|-----------------------|
| 9016-87-9      | isocyanic acid,<br>polymethylenepolyphenylene<br>ester | >10000 mg/kg     | >9400 mg/kg        | 0..49 mg/l (4 h,<br>Aerosol. rat) | 0.000           |                       |

|          |                                     |                  |                    |       |       |
|----------|-------------------------------------|------------------|--------------------|-------|-------|
| 101-68-8 | 4,4'-methylenediphenyl diisocyanate | 15000 mg/kg oral | 43 ppm vapor 4 hrs | 0.000 | 0.000 |
|----------|-------------------------------------|------------------|--------------------|-------|-------|

**Additional Information:**

No Information

**SECTION 12: Ecological Information****12.1 Toxicity:**

|                      |                |
|----------------------|----------------|
| EC50 48hr (Daphnia): | No information |
| IC50 72hr (Algae):   | No information |
| LC50 96hr (fish):    | No information |

**12.2 Persistence and degradability:** No information

**12.3 Bioaccumulative potential:** No information

**12.4 Mobility in soil:** No information

**12.5 Results of PBT and vPvB assessment:** The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

**12.6 Other adverse effects:** No information

| <u>CAS-No.</u> | <u>Name According to EEC</u>                     | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u> |
|----------------|--------------------------------------------------|------------------|------------------|------------------|
| 9016-87-9      | isocyanic acid, polymethylenepolyphenylene ester | No information   | 1640 mg/l        | >1000 mg/l       |
| 101-68-8       | 4,4'-methylenediphenyl diisocyanate              | >1000 mg/l       | No information   | >1000 mg/l       |

**SECTION 13: Disposal Considerations**

**13.1 WASTE TREATMENT METHODS:** If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**European Waste Code:** 080111  
**Packaging Waste Code:** 150110

**SECTION 14: Transport Information**

|                                                                                      |                                                                                         |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>14.1 UN number</b>                                                                | Not Regulated                                                                           |
| <b>14.2 UN proper shipping name</b>                                                  | Not regulated for transport according to U.S. DOT, ADR/RID, IMDG, and IATA regulations. |
| <b>Technical name</b>                                                                | Not applicable                                                                          |
| <b>14.3 Transport hazard class(es)</b>                                               | Not applicable                                                                          |
| <b>Subsidiary shipping hazard</b>                                                    | Not applicable                                                                          |
| <b>14.4 Packing group</b>                                                            | Not applicable                                                                          |
| <b>14.5 Environmental hazards</b>                                                    | Not applicable                                                                          |
| <b>14.6 Special precautions for user</b>                                             | Unknown                                                                                 |
| <b>EmS-No.:</b>                                                                      | Not applicable                                                                          |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code</b> | Unknown                                                                                 |

**SECTION 15: Regulatory Information**

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

**National Regulations:**

**Denmark Product Registration Number:**

|                                     |               |
|-------------------------------------|---------------|
|                                     | Not available |
| Danish MAL Code:                    | Not available |
| Danish MAL Code - Mixture:          | Not available |
| Sweden Product Registration Number: | Not available |
| Norway Product Registration Number: | Not available |
| Germany WGK Class:                  | Not available |

|                                                                                              |                |
|----------------------------------------------------------------------------------------------|----------------|
| Covered by Directive 2012/18/EC (Seveso III):                                                | Not applicable |
| Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006: | Not applicable |

**Annex XIV - Authorisation List:**

| <u>CAS-No.</u> | <u>Name According to EEC</u> |
|----------------|------------------------------|
|----------------|------------------------------|

Not Applicable

**SVHC - Substances of very high concern (Candidate List):**

| <u>CAS-No.</u> | <u>Name According to EEC</u> |
|----------------|------------------------------|
|----------------|------------------------------|

Not Applicable

**15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: Other Information**

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

|      |                                                                            |
|------|----------------------------------------------------------------------------|
| 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.                                               |
| H373 | May cause damage to organs through prolonged or repeated exposure.         |

**Reasons for revision**

No Information

**List of References:**

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark;  
European Union Commission Regulation No. 1907/2006 on REACH as amended within Commission Regulation (EU) 2015/830;  
European Union (EC) Regulation No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) and subsequent technical progress adaptations (ATP);  
EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes".

Acronym & Abbreviation Key:

|        |                                                                                                               |
|--------|---------------------------------------------------------------------------------------------------------------|
| CLP    | Classification, Labeling & Packaging Regulation                                                               |
| EC     | European Commission                                                                                           |
| EU     | European Union                                                                                                |
| US     | United States                                                                                                 |
| CAS    | Chemical Abstract Service                                                                                     |
| EINECS | European Inventory of Existing Chemical Substances                                                            |
| REACH  | Registration, Evaluation, Authorization of Chemicals Regulation                                               |
| GHS    | Globally Harmonized System of Classification and Labeling of Chemicals                                        |
| LTEL   | Long term exposure limit                                                                                      |
| STEL   | Short term exposure limit                                                                                     |
| OEL    | Occupational exposure limit                                                                                   |
| ppm    | Parts per million                                                                                             |
| mg/m3  | Milligrams per cubic meter                                                                                    |
| TLV    | Threshold Limit Value                                                                                         |
| ACGIH  | American Conference of Governmental Industrial Hygienists                                                     |
| OSHA   | Occupational Safety & Health Administration                                                                   |
| PEL    | Permissible Exposure Limits                                                                                   |
| VOC    | Volatile organic compounds                                                                                    |
| g/l    | Grams per liter                                                                                               |
| mg/kg  | Milligrams per kilogram                                                                                       |
| N/A    | Not applicable                                                                                                |
| LD50   | Lethal dose at 50%                                                                                            |
| LC50   | Lethal concentration at 50%                                                                                   |
| EC50   | Half maximal effective concentration                                                                          |
| IC50   | Half maximal inhibitory concentration                                                                         |
| PBT    | Persistent bioaccumulative toxic chemical                                                                     |
| vPvB   | Very persistent and very bioaccumulative                                                                      |
| EEC    | European Economic Community                                                                                   |
| ADR    | International Transport of Dangerous Goods by Road                                                            |
| RID    | International Transport of Dangerous Goods by Rail                                                            |
| UN     | United Nations                                                                                                |
| IMDG   | International Maritime Dangerous Goods Code                                                                   |
| IATA   | International Air Transport Association                                                                       |
| MARPOL | International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 |
| IBC    | International Bulk Container                                                                                  |
| RTI    | Respiratory Tract Irritation                                                                                  |
| NE     | Narcotic Effects                                                                                              |

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.