




# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

|  |   |  |  |
|--|---|--|--|
| TRADE NAME                               | 700US   | IM-KOTE 700 SERIES Part C              | D2A  |
| APPLICATION OF THE SUBSTANCE/PREPARATION | Part C aggregate for 724 NCF Floor – polymer concrete overlay, 727 NCF Liner – polymer concrete for vertical troweling, tank lining, 740 NCF Grout – a chemical resistant, non-shrinking grout. |  |  |
| MANUFACTURE/SUPPLIER                     | IMCO TECHNOLOGIES<br>6254 SKYWAY RD., PO BOX 915<br>SMITHVILLE, ON. L0R 2A0   | TEL 1-888-818-4626<br>FAX 905-527-0606 | IMCO TECHNOLOGIES<br>3909 Witmer RD, Suite 1014<br>NIAGARA FALLS, NY 14305 |
| EMERGENCY NUMBER                         | 613-996-6666 or *666 CANUTEC<br>1-800-535-5053 UNITED STATES POISON INFORMATION CENTRE  |  |  |

## 2. HAZARDS IDENTIFICATION

|  |  |
|--|--|
|  | GHS CLASSIFICATION: Flammability 5, Reactivity 5, Health 4   |
| ROUTE OF ENTRY   | Inhalation, Skin contact.  |
| CARCINOGENIC STATUS  | Respirable crystalline quartz is a suspected human carcinogen, ACGIH Group A2  |
| TARGET ORGANS  | Lungs, skin  |
| HEALTH EFFECTS – EYE   | Dust may cause irritation and possibly corneal damage.   |
| HEALTH EFFECTS – SKIN  | May dehydrate skin.  |
| HEALTH EFFECTS – INGESTION   | Irritation of mouth, throat and digestive tract.   |
| HEALTH EFFECTS – INHALATION  | Prolonged or repeated exposure to fine airborne crystalline silica dust may cause severe scarring of the lungs, a disease called silicosis. Silicosis may occur in varying degrees from minimal to severe. In severe cases, significant and increasingly severe respiratory impairment develops. |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENTS      | CAS NUMBER | WEIGHT % | TWA ppm | LD50 ORAL RAT Mg/kg | LC50 INHAL RAT ppm |
|----------------------------|------------|----------|---------|---------------------|--------------------|
| SILICA, CRYSTALLINE QUARTZ | 14808-60-7 | 60-100   | 0.05    | N/A                 | NA                 |
|                            |            |          |         |                     |                    |

## 4. FIRST AID MEASURES

|                        |   |
|------------------------|---|
| FIRST AID – INHALATION | Remove from exposure. If there is difficulty in breathing, give oxygen. Obtain medical attention immediately.   |
| FIRST AID – SKIN       | Immediately flood the skin with large quantities of water, preferably under a shower. Obtain medical attention if blistering occurs or redness persists.  |
| FIRST AID – EYE        | Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.   |
| FIRST AID – INGESTION  | Obtain medical attention immediately. Have victim drink 1 – 3 glasses of water to dilute stomach contents. DO NOT INDUCE VOMITING. Vomiting may cause aspiration into the lungs resulting in chemical pneumonia. If there is difficulty in breathing give oxygen. |

### INFORMATION FOR THE DOCTOR:

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

No further relevant information available

#### Indications of any immediate medical attention and special treatment needed

No further relevant information available.

## 5. FIRE FIGHTING MEASURES

|  |   |
|--|---|
| CONDITIONS OF FLAMMABILITY                       | Non-flammable. Will not support combustion. |
| EXTINGUISHING MEDIA                              | NA  |
| SPECIAL HAZARDS OF PRODUCT                       | NA  |
| PROTECTIVE EQUIPMENT FOR FIRE FIGHTING           | NA  |
| EXPLOSION DATA – SENSITIVITY TO IMPACT           | NO  |
| EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE | YES   |

## 6. ACCIDENTAL RELEASE MEASURES

|  |  |
|--|--|
| SPILL PROCEDURES   | Non-reactive. Transfer into non-dusting sealed containers for recovery or disposal.    |
| PERSONAL PRECAUTIONS   | Avoid creation of dust. Wear NIOSH approved particle mask, gloves, and eye protection. |
| ENVIRONMENTAL PRECAUTIONS  | Stable in environment. Not toxic to wildlife.  |
| <b>Reference to other sections:</b><br>See Section 7 for information on safe handling<br>See Section 8 for information on personal protection equipment<br>See Section 13 for disposal information |  |

## 7. HANDLING AND STORAGE

|   |   |
|---|---|
| HANDLING  | Use in well-ventilated area. Use local exhaust ventilation. Avoid inhaling dust. Avoid contact with eyes, skin and clothing. Handle carefully to avoid creating dust. |
| STORAGE   | Store in a dry area.  |
| <b>Information about protection against explosions and fires:</b><br>Keep ignition sources away – Do Not Smoke<br>Protect against electrostatic charges |   |
| <b>Specific end use(s) : No further relevant information available</b>  |   |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                               |  |
|-------------------------------|--|
| ENGINEERING CONTROL MEASURES  | Use in well-ventilated area. Avoid creation of dust. Up to 0.5 mg/m <sup>3</sup> use air purifying respirator with high efficiency particulate filter. Up to 1.25 mg/m <sup>3</sup> use powered air purifying respirator with high efficiency filter. Up to 2.5 mg/m <sup>3</sup> use full-faced piece air purifying respirator with high efficiency particulate filter. |
| RESPIRATORY PROTECTION        | Wear NIOSH approved particle respirator.   |
| HAND PROTECTION               | Gloves should be worn during all handling operations.  |
| EYE PROTECTION                | Protect eyes from dust.  |
| BODY PROTECTION               | Clothing should cover body adequately to prevent exposure.   |
| PROTECTION DURING APPLICATION | Venting or respiration equipment may be required when working in confined spaces. After installation and drying, activities such as grinding, sawing or tear-out of material may cause dust concentration to be above the TLV limit for crystalline quartz.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                       |                       |
|---------------------------------------|-----------------------|
| PHYSICAL STATE                        | Solid                 |
| ODOUR & APPEARANCE                    | Neutral, /Grey, / Red |
| ODOR THRESHOLD (ppm)                  | NA                    |
| SPECIFIC GRAVITY                      | 2.65                  |
| VAPOR DENSITY (AIR = 1)               | NA                    |
| VAPOR PRESSURE 20 C                   | 10 mm @ 1730° C       |
| EVAPORATION RATE                      | None                  |
| BOILING POINT (° C)                   | 2230° C               |
| FREEZING POINT (° C)                  | NA                    |
| pH                                    | NA                    |
| COEFFICIENT OF WATER/OIL DISTRIBUTION | NA                    |
| SOLUBILITY IN WATER                   | Insoluble             |
| VOC (g/l)                             | 0                     |
| FLASH POINT (PMCC) (°C/F)             | 93C / 199.4F          |
| UPPER FLAMMABLE LIMIT %VOL            | Not determined        |
| LOWER FLAMMABLE LIMIT %VOL            | Not determined        |
| AUTOIGNITION TEMP (°C/F)              | Not determined        |

## 10. STABILITY AND REACTIVITY

|                                  |  |
|----------------------------------|--|
| STABILITY                        | Contact with strong oxidizing agents.  |
| CONDITIONS TO AVOID              | Oxidizing agents: fluorine, chlorine trifluoride, manganese trioxide, oxygen difluoride        |
| MATERIALS TO AVOID               | Strong oxidizing agents.   |
| HAZARDOUS POLYMERIZATION         | Will not occur.  |
| HAZARDOUS DECOMPOSITION PRODUCTS | Silica will dissolve in hydrofluoric acid and produce a corrosive gas (silicon tetra fluoride) |
|                                  |  |

## 11. TOXICOLOGICAL INFORMATION

|                                      |  |
|--------------------------------------|--|
| EFFECTS OF ACUTE EXPOSURE            | NA - No known acute toxicity.  |
| EFFECTS OF CHRONIC EXPOSURE          | Repeated inhalation of concentrated free silica dust may cause delayed lung injury (silicosis).  |
| EXPOSURE LIMITS                      | 0.05 mg/m <sup>3</sup> Respirable quartz dust.   |
| IRRITANCY                            | Mild irritation expected   |
| SENSITIZATION                        | Unlikely.  |
| CARCINOGENICITY                      | The International Agency for Research on Cancer has concluded that crystalline silica in the form of quartz from occupational exposures should be classified as carcinogenic to humans (Group 1) The American Conference of Government Industrial Hygienists has given crystalline silica, quartz an A2 classification, suspected human carcinogen. Simultaneous exposure to known carcinogens can increase carcinogenicity of crystalline silica. |
| REPRODUCTIVE TOXICITY                | NA   |
| TERATOGENICITY                       | NA   |
| MUTAGENICITY                         | NA   |
| TOXICOLOGICALLY SYNERGISTIC PRODUCTS | Synergistic effect between smoking and crystalline silica is likely.   |

## 12. ECOLOGICAL INFORMATION

|   |   |
|---|---|
| MOBILITY                                  | Stable in environment.                  |
| PERSISTENCE/DEGRADABILITY                 | Non-biodegradable, generally non-toxic. |
| BIO-ACCUMULATION                          | Product does not bioaccumulate.         |
| ECOTOXICITY                               | Not toxic to wildlife.                  |
| <b>Results of PBT and vPvB assessment</b> |   |
| PBT: N/A                                  |   |
| vPvB: N/A                                 |   |

## 13. DISPOSAL CONSIDERATIONS

|                    |  |
|--------------------|--|
| PRODUCT DISPOSAL   | Non-reactive. Transfer into non-dusting, sealed containers for recovery or disposal. Dispose of in an approved landfill site. Contact local authorities for disposal approval. |
| CONTAINER DISPOSAL | Dispose of bags according to federal, provincial, state and local regulations.   |

### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations

## 14. TRANSPORTATION INFORMATION

| CANADA                       | TDG CLASSIFICATION |
|------------------------------|--------------------|
| HAZARD LABEL NOT REQUIRED    | NOT REGULATED      |
| Marine Pollutant             | NO                 |
| Special Precautions for user | N/A                |
|                              |                    |
|                              |                    |
|                              |                    |


## 15. REGULATORY INFORMATION

WHMIS: CLASS D, DIV.2, SUBDIVISION A-Very Toxic Material

CEPA STATUS (DSL): All of the ingredients of this product are listed on the Domestic Substances List.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by CPR.

**16. OTHER INFORMATION**

|   |  |   |              |   |            |   |                     |                          |   |  |   |
|---|--|---|--------------|---|------------|---|---------------------|--------------------------|---|--|---|
| <table border="1"> <tr><td>HEALTH</td><td>1</td></tr> <tr><td>FLAMMABILITY</td><td>0</td></tr> <tr><td>REACTIVITY</td><td>0</td></tr> <tr><td>PERSONAL PROTECTION</td><td><input type="checkbox"/></td></tr> </table> | HEALTH   | 1 | FLAMMABILITY | 0 | REACTIVITY | 0 | PERSONAL PROTECTION | <input type="checkbox"/> | HMIS hazard ID:<br>0-MINIMAL;<br>1-SLIGHT;<br>2-MODERATE;<br>3-SERIOUS;<br>4-SEVERE |  | NFPA hazard ID:<br>0-MINIMAL;<br>1-SLIGHT;<br>2-MODERATE;<br>3-SERIOUS;<br>4-SEVERE |
| HEALTH  | 1  |   |              |   |            |   |                     |                          |   |  |   |
| FLAMMABILITY  | 0  |   |              |   |            |   |                     |                          |   |  |   |
| REACTIVITY  | 0  |   |              |   |            |   |                     |                          |   |  |   |
| PERSONAL PROTECTION   | <input type="checkbox"/>   |   |              |   |            |   |                     |                          |   |  |   |
| KEY   | NA: No applicable information found or available<br>CAS#: Chemical Abstracts Service Number<br>ACGIH: American Conference of Governmental Industrial Hygienists<br>OSHA: Occupational Safety and Health Administration<br>TLV: Threshold Limit Value<br>PEL: Permissible Exposure Limit<br>STEL: Short Term Exposure Limit<br>NTP: National Toxicology Program<br>IARC: International Agency for Research on Cancer<br>R: Risk<br>S: Safety<br>LD50: Lethal Dose 50%<br>LC50: Lethal Concentration 50% |   |              |   |            |   |                     |                          |   |  |   |
| PREPARED BY:  | IMCO® Technologies Inc.  |   |              |   |            |   |                     |                          |   |  |   |
| SDS REVISION DATE   | May 24, 2023   |   |              |   |            |   |                     |                          |   |  |   |

Provided data is offered in good faith as typical values and not as a product specification. No warranty, either express or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, however, each user should review these recommendations.