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

TRADE NAME 700US IM-KOTE 700 SERIES Part C D2A
MANUFACTURE/SUPPLIER IMCO TECHNOLOGIES TEL 1-877-957-4626 IMCO TECHNOLOGIES 3909 Witmer RD, Suite 1014 NIAGARA FALLS, NY 14305
6254 SKYWAY RD., PO BOX 915 FAX 905-527-0606 SMITHVILLE, ON. L0R 2A0
EMERGENCY NUMBER 613-996-6666 or *666 CANUTEC 1-800-535-5053 UNITED STATES POISON INFORMATION CENTRE

2. HAZARDS IDENTIFICATION

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.

NFPA HMIS
5 - MINIMAL; 4-SLIGHT; 3-MODERATE; 2-HIGH; 1-EXTREME

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

<table>
<thead>
<tr>
<th>CONDITIONS OF FLAMMABILITY</th>
<th>Non-flammable. Will not support combustion.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTINGUISHING MEDIA</td>
<td>NA</td>
</tr>
<tr>
<td>SPECIAL HAZARDS OF PRODUCT</td>
<td>NA</td>
</tr>
<tr>
<td>PROTECTIVE EQUIPMENT FOR FIRE FIGHTING</td>
<td>NA</td>
</tr>
<tr>
<td>EXPLOSION DATA – SENSITIVITY TO IMPACT</td>
<td>NO</td>
</tr>
<tr>
<td>EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE</td>
<td>YES</td>
</tr>
</tbody>
</table>

6. ACCIDENTAL RELEASE MEASURES

<table>
<thead>
<tr>
<th>SPILL PROCEDURES</th>
<th>Non-reactive. Transfer into non-dusting sealed containers for recovery or disposal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERSONAL PRECAUTIONS</td>
<td>Avoid creation of dust. Wear NIOSH approved particle mask, gloves, and eye protection.</td>
</tr>
<tr>
<td>ENVIRONMENTAL PRECAUTIONS</td>
<td>Stable in environment. Not toxic to wild life.</td>
</tr>
</tbody>
</table>

Reference to other sections:
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment
See Section 13 for disposal information

7. HANDLING AND STORAGE

<table>
<thead>
<tr>
<th>HANDLING</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>STORAGE</td>
<td>Store in a dry area.</td>
</tr>
</tbody>
</table>

Information about protection against explosions and fires:
Keep ignition sources away – Do Not Smoke
Protect against electrostatic charges

Specific end use(s) : No further relevant information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>ENGINEERING CONTROL MEASURES</th>
<th>Use in well-ventilated area. Avoid creation of dust. Up to 0.5 mg/m³ use air purifying respirator with high efficiency particulate filter. Up to 1.25 mg/m³ use powered air purifying respirator with high efficiency filter. Up to 2.5 mg/m³ use full-faced piece air purifying respirator with high efficiency particulate filter.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY PROTECTION</td>
<td>Wear NIOSH approved particle respirator.</td>
</tr>
<tr>
<td>HAND PROTECTION</td>
<td>Gloves should be worn during all handling operations.</td>
</tr>
<tr>
<td>EYE PROTECTION</td>
<td>Protect eyes from dust.</td>
</tr>
<tr>
<td>BODY PROTECTION</td>
<td>Clothing should cover body adequately to prevent exposure.</td>
</tr>
<tr>
<td>PROTECTION DURING APPLICATION</td>
<td>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.</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>PHYSICAL STATE</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODOUR &amp; APPEARANCE</td>
<td>Neutral, /Grey, / Red</td>
</tr>
<tr>
<td>ODOR THRESHOLD (ppm)</td>
<td>NA</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>2.65</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR = 1)</td>
<td>NA</td>
</tr>
<tr>
<td>VAPOR PRESSURE 20 C</td>
<td>10 mm @ 1730º C</td>
</tr>
<tr>
<td>EVAPORATION RATE</td>
<td>None</td>
</tr>
<tr>
<td>BOILING POINT (ºC)</td>
<td>2230º C</td>
</tr>
<tr>
<td>FREEZING POINT (ºC)</td>
<td>NA</td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
</tr>
<tr>
<td>COEFFICIENT OF WATER/OIL DISTRIBUTION</td>
<td>NA</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>Insoluble</td>
</tr>
<tr>
<td>VOC (g/l)</td>
<td>0</td>
</tr>
<tr>
<td>FLASH POINT (PMCC) (ºC/F)</td>
<td>93C / 199.4F</td>
</tr>
<tr>
<td>UPPER FLAMMABLE LIMIT %VOL</td>
<td>Not determined</td>
</tr>
<tr>
<td>LOWER FLAMMABLE LIMIT %VOL</td>
<td>Not determined</td>
</tr>
<tr>
<td>AUTOIGNITION TEMP (ºC/F)</td>
<td>Not determined</td>
</tr>
</tbody>
</table>
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/m³ 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 wild life.

Results of PBT and vPvB assessment
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
Empty bags may contain hazardous residues. Dispose of bags with care.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations

14. TRANSPORTATION INFORMATION

CANADA

TDG CLASSIFICATION

HAZARD LABEL
NOT REQUIRED

NO

Marine Pollutant
NOT REGULATED

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>
<thead>
<tr>
<th>HAZARD RATING (HMIS)</th>
<th>HEALTH: 4</th>
<th>FLAMMABILITY: 5</th>
<th>REACTIVITY: 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEY</td>
<td>5-MINIMAL:</td>
<td>4-SLIGHT:</td>
<td>3-MODERATE:</td>
</tr>
<tr>
<td></td>
<td>2-HIGH:</td>
<td>1-EXTREME</td>
<td></td>
</tr>
</tbody>
</table>

KEY
NA: No applicable information found or available
CAS#: Chemical Abstracts Service Number
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer
R: Risk
S: Safety
LD50: Lethal Dose 50%
LC50: Lethal Concentration 50%

PREPARED BY: IMCO Technologies Inc.

SDS REVISION DATE | October 15, 2018

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.