




# SAFETY DATA SHEET

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

|                    |   |  |  |
|--------------------|---|--|--|
| PRODUCT NAME       | 473   | CRYSTAL LOK™ FINISH COAT               | D2B  |
| PRODUCT USE        | A ready to use water-based topcoat for concrete for sealing, hardening, dust-proofing, waterproofing and weatherproofing. |  |  |
| MANUFACTURE'S NAME | IMCO TECHNOLOGIES<br>6254 SKYWAY RD., PO BOX 915<br>SMITHVILLE, ON. L0R 2A0   | TEL 1-877-957-4626<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. HAZARD IDENTIFICATION

|  |   |
|--|---|
|  <p>GHS07</p>  |   |
| ROUTE OF ENTRY   | Eye contact, Ingestion, Inhalation, Skin contact.         |
| CARCINOGENIC STATUS  | Not considered carcinogenic by NTP, IARC, and OSHA.       |
| TARGET ORGANS  | Eye, Skin, and lungs                                      |
| HEALTH EFFECTS – EYE   | Moderate irritation expected.                             |
| HEALTH EFFECTS – SKIN  | Moderate irritation expected.                             |
| HEALTH EFFECTS – INGESTION   | May cause irritation to the mouth, esophagus and stomach. |
| HEALTH EFFECTS – INHALATION  | Spray mist is irritating to the respiratory system.       |
|  <p>NAPA</p>  <p>HMIS</p> <p>0-MINIMAL; 1-SLIGHT; 2-MODERATE; 3-HIGH; 4-EXTREME</p> |   |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENTS     | CAS NUMBER | Weight % | TWA ppm | LD50 ORAL RAT Mg/kg | LC50 INHAL RAT ppm |
|---------------------------|------------|----------|---------|---------------------|--------------------|
| SILICIC ACID, SODIUM SALT | 1344-09-8  | 7 – 13   | N/A     | N/A                 | N/A                |

## 5. FIRE FIGHTING MEASURES

## 4. FIRST AID MEASURES

|                        |  |
|------------------------|--|
| FIRST AID – INHALATION | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.  |
| FIRST AID – SKIN       | Immediately flood the skin with large quantities of water. Remove contaminated clothing and shoes. Obtain medical attention.   |
| FIRST AID – EYE        | Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention.  |
| FIRST AID – INGESTION  | If swallowed, DO NOT INDUCE VOMITING. Obtain medical attention immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. |

### INFORMATION FOR 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

|                            |   |
|----------------------------|---|
| CONDITIONS OF FLAMMABILITY | Non-flammable. Will not support combustion. |
|----------------------------|---|

|  |  |
|--|--|
| EXTINGUISHING MEDIA                              | Is compatible with all extinguishing media.  |
| SPECIAL HAZARDS OF PRODUCT                       | Dries to form glass film which can easily cut the skin. Spilled material is very slippery. Can etch glass if not promptly removed. |
| PROTECTIVE EQUIPMENT FOR FIRE FIGHTING           | Wear full protective clothing when this material is present in the area of the fire.   |
| EXPLOSION DATA – SENSITIVITY TO IMPACT           | N/A  |
| EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE | N/A  |

## 6. ACCIDENTAL RELEASE MEASURES

|   |  |
|---|--|
| SPILL PROCEDURES  | Small spills – Mop up and neutralize liquid, dispose in accordance with federal, provincial and local regulations or permits. Large spills – Isolate hazard area. Do not touch or walk through spilled material. Isolate, dike and store discharged material, if possible. Use sand or earth to contain material. If containment is impossible, neutralize contaminated area and flush with large quantities of water. |
| PERSONAL PRECAUTIONS  | Wear chemical goggles, body-covering protective clothing, chemical resistant gloves and rubber boots. Use a NIOSH-approved dust and mist respirator where spray mist occurs.   |
| ENVIRONMENTAL PRECAUTIONS   | Prevent the material from entering drains or watercourses. Notify authorities if spill has entered watercourse or sewer.   |
| <b>REFERENCE TO OTHER SECTIONS:</b>   |  |
| 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   | Avoid contact with eyes, skin and clothing. Avoid breathing mist. Keep container closed. Promptly clean up spills.  |
| STORAGE  | Keep container closed. Store in clean steel or plastic containers. Separate from acids, reactive metals and ammonium salts. Storage temperature 0-95 deg C. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers. |
| <b>INFORMATION ABOUT PROTECTION AGAINST EXPLOSION AND FIRES</b>                    |   |
| Keep ignition sources away – Do Not Smoke<br>Protect against electrostatic charges |   |
| <b>SPECIFIC END USE(S)</b>   |   |
| No further relevant information available  |   |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                               |   |
|-------------------------------|---|
| ENGINEERING CONTROL MEASURES  | Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.   |
| RESPIRATORY PROTECTION        | Use a NIOSH-approved dust and mist respirator where spray mist occurs. Observe Provincial regulations for respiratory use.  |
| HAND PROTECTION               | Full-length gloves should be worn during all handling operations. Neoprene gloves.  |
| EYE PROTECTION                | Chemical goggles should be worn during all handling operations to protect against splashing.  |
| BODY PROTECTION               | Discard contaminated protective equipment. If there is danger of splashing, wear overall or apron.  |
| PROTECTION DURING APPLICATION | During application, adequate ventilation must be provided. Mix in a well-ventilated area. If ventilation is poor, wear respiratory protection. Dries to form glass film which can easily cut the skin. Spilled material is very slippery. Can etch glass if not promptly removed. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                       |                 |
|---------------------------------------|-----------------|
| PHYSICAL STATE                        | Liquid          |
| ODOUR & APPEARANCE                    | Odorless, clear |
| ODOR THRESHOLD (ppm)                  | NA              |
| SPECIFIC GRAVITY                      | 1.07 – 1.10     |
| VAPOR DENSITY (AIR = 1)               | NA              |
| VAPOR PRESSURE 20 C                   | NA              |
| EVAPORATION RATE                      | NA              |
| BOILING POINT (° C)                   | NA              |
| FREEZING POINT (° C)                  | NA              |
| pH                                    | NA              |
| COEFFICIENT OF WATER/OIL DISTRIBUTION | NA              |
| SOLUBILITY IN WATER                   | Miscible        |
| VOC (g/l)                             | 0               |
| FLASH POINT (PMCC) (°C/F)             | Non-flammable.  |

|                            |    |
|----------------------------|----|
| UPPER FLAMMABLE LIMIT %VOL | NA |
| LOWER FLAMMABLE LIMIT %VOL | NA |
| AUTOIGNITION TEMP (°C/F)   | NA |

## 10. STABILITY AND REACTIVITY

|                                  |   |
|----------------------------------|---|
| STABILITY                        | Stable under normal conditions  |
| CONDITIONS TO AVOID              | Do Not Freeze   |
| MATERIALS TO AVOID               | Gels and generates heat when mixed with acid. May react with ammonium salts resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead and zinc. |
| HAZARDOUS POLYMERIZATION         | Will not occur.   |
| HAZARDOUS DECOMPOSITION PRODUCTS | Hydrogen gas.   |

## 11. TOXICOLOGICAL INFORMATION

|                                      |  |
|--------------------------------------|--|
| EFFECTS OF ACUTE EXPOSURE            | Moderate irritation to the eyes and skin is expected.    |
| EFFECTS OF CHRONIC EXPOSURE          | May cause dermatitis and irritation on repeated contact. |
| EXPOSURE LIMITS                      | NA   |
| IRRITANCY                            | Moderate irritation expected                             |
| SENSITIZATION                        | NA   |
| CARCINOGENICITY                      | Not listed as a carcinogen by IARC, NTP or OSHA.         |
| REPRODUCTIVE TOXICITY                | NA   |
| TERATOGENICITY                       | NA   |
| MUTAGENICITY                         | NA   |
| TOXICOLOGICALLY SYNERGISTIC PRODUCTS | NA   |

## 12. ECOLOGICAL INFORMATION

|  |  |
|--|--|
| MOBILITY   | Sinks and mixes with water. Diluted material rapidly depolymerizes to yield dissolved silica in a form that is indistinguishable from natural dissolved silica.  |
| PERSISTENCE/DEGRADABILITY  | This product is not persistent in aquatic systems, but its high pH when undiluted or unneutralized is acutely harmful to aquatic life.   |
| BIO-ACCUMULATION   | Neither silica nor sodium will appreciably bioconcentrate up the food chain.   |
| ECOTOXICITY  | The following data is reported for sodium silicate on a 100% basis:<br>A 96 hour median tolerance for: Fish ( <i>Gambusia affinis</i> ) of 2320 ppm; Water fleas ( <i>Daphnia magna</i> ) of 247 ppm; Snail eggs ( <i>Lymnaea</i> ) of 632 ppm; (Amphipoda) of 160 ppm. This product contains approximately 7 - 13% sodium silicate. |
| <b>RESULTS of PBT and vPvB Assessment</b><br><b>PBT:</b> N/A<br><b>vPvB:</b> N/A |  |

## 13. DISPOSAL CONSIDERATIONS

|   |  |
|---|--|
| PRODUCT DISPOSAL  | Absorb product on an inert material (sand or earth) and transfer absorbed product into a waste container. Dispose of in accordance with all applicable local and national regulations. |
| CONTAINER DISPOSAL  | Labels should not be removed from containers until they have been cleaned. Empty containers may contain hazardous residues. Dispose of containers with care.                           |
| <b>UNCLEANED PACKAGINGS</b><br><b>Recommendation:</b> Disposal must be made according to official regulations |  |

## 14. TRANSPORTATION INFORMATION

|                              |              |                                   |
|------------------------------|--------------|-----------------------------------|
| <b>CANADA</b>                |              | <b>TDG CLASSIFICATION</b>         |
| HAZARD LABEL                 | NOT REQUIRED | NOT REGULATED, Keep From Freezing |
| MARINE POLLUTANT             |              | NO                                |
| SPECIAL PRECAUTIONS FOR USER |              | N/A                               |

**15. REGULATORY INFORMATION**

WHMIS CLASSIFICATION: CLASS D, DIV.2, SUBDIVISION B-Material causing other toxic effects.

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**

|                         |  |
|-------------------------|--|
| HAZARD RATING<br>(HMIS) | HEALTH: 2      FLAMMABILITY: 0      REACTIVITY: 0<br>0-MINIMAL; 1-SLIGHT; 2-MODERATE; 3-HIGH; 4-EXTREME  |
| 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

JAN 1 2017

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.