



# SAFETY DATA SHEET

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

|                    |  |  |  |
|--------------------|--|--|--|
| TRADE NAME         | 460  | WATER REPELLENT SEALER                 | B6, D2A, D2B   |
| PRODUCT USE        | Is a water based, breathable, siloxane sealer for brick, masonry and concrete.         |  |  |
| MANUFACTURE'S NAME | 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. HAZARD IDENTIFICATION



GHS CLASSIFICATION: Flammability 5, Reactivity 5, Health 3

|                             |   |
|-----------------------------|---|
| ROUTE OF ENTRY              | Absorption, Eye contact, Ingestion, Inhalation, Skin contact.   |
| CARCINOGENIC STATUS         | Not considered carcinogenic by NTP, IARC, and OSHA.   |
| TARGET ORGANS               | Eye, Skin, Liver  |
| HEALTH EFFECTS – EYE        | Direct contact may cause mild irritation.   |
| HEALTH EFFECTS – SKIN       | Material may cause moderate irritation.   |
| HEALTH EFFECTS – INGESTION  | Low ingestion hazard in normal use. Repeated ingestion or swallowing large amounts may injure internally. |
| HEALTH EFFECTS – INHALATION | Vapor may irritate nose and throat. Vapor overexposure may cause drowsiness and may injure the liver.     |

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENTS    | CAS NUMBER | WEIGHT %  | TWA ppm | LD50 ORAL RAT Mg/kg | LC50 INHAL RAT ppm |
|--------------------------|------------|-----------|---------|---------------------|--------------------|
| METHYLHYDROXYSILANE      | 68037-59-2 | 1 – 5     | N/A     | 8.540               | N/A                |
| POLYETHYLENE OXIDE ETHER | 9002-92-0  | 0.5 – 1.5 | N/A     | N/A                 | N/A                |

## 4. FIRST AID MEASURES

|                        |   |
|------------------------|---|
| FIRST AID – INHALATION | Remove from exposure. Obtain medical attention immediately.   |
| FIRST AID – SKIN       | Remove from skin and wash thoroughly with soap and water. Get medical attention if irritation or other ill effects persist. |
| FIRST AID – EYE        | Immediately flush with water for 15 minutes.  |
| FIRST AID – INGESTION  | Obtain medical attention.   |

### INFORMATION FOR DOCTOR

**Most important symptoms and effects, both acute and delayed.**

No further relevant information

**Indications of any immediate medical attention and special treatment needed.**

No further relevant information available.

## 5. FIRE FIGHTING MEASURES

|  |   |
|--|---|
| CONDITIONS OF FLAMMABILITY                       | Minute quantities of flammable hydrogen gas can accumulate. Adequately ventilate to maintain vapors well below flammability limits.   |
| EXTINGUISHING MEDIA                              | Use water spray, foam, dry chemical or carbon dioxide. Be aware of the possibility of re-ignition. Keep containers and surroundings cool with water spray.                        |
| SPECIAL HAZARDS OF PRODUCT                       | This product may give rise to hazardous fumes in a fire. Be aware of possibility of re-ignition. Containers may explode in heat of fire. Dangerous when exposed to heat or flame. |
| PROTECTIVE EQUIPMENT FOR FIRE FIGHTING           | Wear full protective clothing and self-contained breathing apparatus.   |
| EXPLOSION DATA – SENSITIVITY TO IMPACT           | NO  |
| EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE | YES   |

## 6. ACCIDENTAL RELEASE MEASURES

|                           |   |
|---------------------------|---|
| SPILL PROCEDURES          | Contain and absorb using earth, sand or other inert material. Transfer into suitable vented containers for recovery or disposal. Small amounts of silicone may present a slip hazard. |
| PERSONAL PRECAUTIONS      | Eliminate all sources of ignition. Vapors can accumulate in low areas. Consider need for evacuation.  |
| ENVIRONMENTAL PRECAUTIONS | Prevent the material from entering drains or watercourses. Notify authorities if spill has entered watercourse or sewer or has contaminated soil or vegetation.                       |

### REFERENCES 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

|          |   |
|----------|---|
| HANDLING | Use in well-ventilated area. Use local exhaust ventilation. Product evolves flammable ethyl alcohol on exposure to water or humid air. Control ethanol within exposure guidelines or use respiratory protection. Avoid inhaling vapor. Avoid contact with eyes, skin and clothing. Do not take internally. Keep container tightly closed when not in use. |
| STORAGE  | Store away from sources of heat or ignition. Storage area should be: cool, dry, well ventilated, out of direct sunlight, away from incompatible materials. DO NOT FREEZE.   |

### 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

|                               |  |
|-------------------------------|--|
| ENGINEERING CONTROL MEASURES  | Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used. |
| RESPIRATORY PROTECTION        | The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator. The following protection is recommended: Respirator equipped with an organic vapor cartridge.  |
| 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. During application, flames and unsealed lights must be extinguished and adequate ventilation must be provided.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                       |               |
|---------------------------------------|---------------|
| PHYSICAL STATE                        | Liquid        |
| ODOUR & APPEARANCE                    | Slight, white |
| ODOR THRESHOLD (ppm)                  | NA            |
| SPECIFIC GRAVITY                      | 0.958         |
| VAPOR DENSITY (AIR = 1)               | Water         |
| VAPOR PRESSURE 20 C                   | 17 mmHg       |
| EVAPORATION RATE                      | Water         |
| BOILING POINT (°C)                    | 100 - 105     |
| FREEZING POINT (°C)                   | -5 - 0        |
| pH                                    | NA            |
| COEFFICIENT OF WATER/OIL DISTRIBUTION | Water Soluble |
| SOLUBILITY IN WATER                   | 100%          |
| VOC (g/l)                             | NA            |
| FLASH POINT (PMCC) (°C/F)             | 100C/212F     |
| 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              | High temperatures, Static discharge, Do not freeze.   |
| MATERIALS TO AVOID               | Oxidizing agents, Alkalis, Acids, Bases, metals, when in contact with product, may liberate flammable hydrogen gas that can form explosive mixtures in air. |
| HAZARDOUS POLYMERIZATION         | Will not occur.   |
| HAZARDOUS DECOMPOSITION PRODUCTS | Oxides of carbon, Formaldehyde, Silicon Dioxide, Nitrogen Oxides, and Hydrogen.   |

**11. TOXICOLOGICAL INFORMATION**

|                                      |  |
|--------------------------------------|--|
| EFFECTS OF ACUTE EXPOSURE            | Vapors may be irritating to the nose, throat, upper respiratory tract and lungs. Short exposure to skin causes no known adverse effects. |
| EFFECTS OF CHRONIC EXPOSURE          | May irritate skin, direct contact with eyes irritates with redness and swelling.   |
| EXPOSURE LIMITS                      | NA   |
| IRRITANCY                            | Mild irritation expected   |
| SENSITIZATION                        | No   |
| CARCINOGENICITY                      | No known effect in humans  |
| REPRODUCTIVE TOXICITY                | No known effect in humans  |
| TERATOGENICITY                       | Prolonged overexposure to Ethanol has caused human birth defects.  |
| MUTAGENICITY                         | NA   |
| TOXICOLOGICALLY SYNERGISTIC PRODUCTS | NA   |

**12. ECOLOGICAL INFORMATION**

|                           |  |
|---------------------------|--|
| MOBILITY                  | Some of the product will leach into soil. The product will dissolve in water. Complete information is not yet available. |
| PERSISTENCE/DEGRADABILITY | The product is expected to biodegrade slowly.  |
| BIO-ACCUMULATION          | Product may bioaccumulate to a limited extent.   |
| ECOTOXICITY               | Slight toxicity away from site of leak. Moderately high-localized toxicity.  |

**RESULTS of PBT and vPvB Assessment**

PBT: N/A  
vPvB: N/A

**13. DISPOSAL CONSIDERATIONS**

|                    |  |
|--------------------|--|
| PRODUCT DISPOSAL   | Absorb product on an inert material (sand or earth) and transfer absorbed product into a vented waste container. Do not incinerate closed containers. 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. Do not cut, puncture or weld on or near to the container. Do not incinerate closed containers.  |

**UNCLEANED PACKAGINGS**

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

**14. TRANSPORTATION INFORMATION**

| CANADA                        | TDG CLASSIFICATION           |
|-------------------------------|------------------------------|
| HAZARD LABEL 3 NOT REQUIRED   | Not Regulated. Do Not Freeze |
| EXPORT                        |                              |
| DOT CFR 172.101 DATA          | Not Regulated                |
| UN PROPER SHIPPING NAME       | Not Regulated Do Not Freeze  |
| UN CLASS                      | NA                           |
| UN NUMBER                     | NA                           |
| UN PACKAGING GROUP            | NA                           |
| FLASH POINT                   | NA                           |
| HAZARDOUS MATERIAL            | NA                           |
| HAZARD LABEL                  | NA                           |
| MARINE POLLUTANT              | NO                           |
| SPECIFIC PRECAUTIONS FOR USER | M/A                          |
|                               |                              |
|                               |                              |

**15. REGULATORY INFORMATION**

WHMIS CLASSIFICATION: CLASS B, DIV.6 – Reactive flammable material  
 : CLASS D, DIV.2, SUBDIVISION A-Very toxic material.  
 : 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**

|   |   |   |              |   |            |   |                     |                          |  |  |  |
|---|---|---|--------------|---|------------|---|---------------------|--------------------------|--|--|--|
| <table border="1"> <tr><td>HEALTH</td><td>2</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  | 2 | FLAMMABILITY | 0 | REACTIVITY | 0 | PERSONAL PROTECTION | <input type="checkbox"/> | <p>HMIS hazard ID:</p> <p>0-MINIMAL;<br/>         1-SLIGHT;<br/>         2-MODERATE;<br/>         3-SERIOUS;<br/>         4-SEVERE</p> |  | <p>NFPA hazard ID:</p> <p>0-MINIMAL;<br/>         1-SLIGHT;<br/>         2-MODERATE;<br/>         3-SERIOUS;<br/>         4-SEVERE</p> |
| HEALTH  | 2   |   |              |   |            |   |                     |                          |  |  |  |
| FLAMMABILITY  | 0   |   |              |   |            |   |                     |                          |  |  |  |
| REACTIVITY  | 0   |   |              |   |            |   |                     |                          |  |  |  |
| PERSONAL PROTECTION   | <input type="checkbox"/>  |   |              |   |            |   |                     |                          |  |  |  |
| KEY   | <p>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%</p> |   |              |   |            |   |                     |                          |  |  |  |
| PREPARED BY:  | IMCO® Technologies Inc.   |   |              |   |            |   |                     |                          |  |  |  |

SDS REVISION DATE

November 28, 2022

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.