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

TRADE NAME: 530C ALIPHATIC URETHANE COATING – COLOR PT.A B2, D1A, D2A, D2B,F

PRODUCT USE: A two component, high gloss urethane coating used as a chemical and abrasion resistant topcoat for steel and concrete. Effective as the chemical and weather resistant coat over 510A Aluminum Primer.

MANUFACTURER’S NAME: IMCO TECHNOLOGIES

6254 SKYWAY RD., PO BOX 915

SMITHVILLE, ON. L0R 2A0

3909 Witmer RD, Suite 1014

NIAGARA FALLS, NY 14305

EMERGENCY NUMBER: 613-996-6666 or #666 CANUTEC

1-800-535-5053 UNITED STATES POISON INFORMATION CENTRE

2. HAZARDS IDENTIFICATION

ROUTE OF ENTRY
Eye contact, Ingestion, Inhalation, Skin contact.

CARCINOGENIC STATUS
Ethyl Benzene: IARC Group 2B

TARGET ORGANS
Eye, Skin, and respiratory tract.

HEALTH EFFECTS – EYE
Direct contact with this material causes severe eye irritation. Vapors may cause irritation.

HEALTH EFFECTS – SKIN
Contact causes severe irritation. May cause skin sensitization.

HEALTH EFFECTS – INGESTION
Inhalation of vapor may cause irritation to the respiratory tract (nose, throat and lungs). Inhalation may cause central nervous system depression with symptoms that include headaches, dizziness, nausea, impaired judgment, confusion, blurred vision, fatigue, and loss of coordination. May cause respiratory sensitization.

HEALTH EFFECTS – INHALATION
May cause burns to mouth, throat and stomach.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>CAS NUMBER</th>
<th>WEIGHT %</th>
<th>TWA ppm</th>
<th>LD50 ORAL RAT Mg/kg</th>
<th>LC50 INHAL RAT Mg/M3</th>
</tr>
</thead>
<tbody>
<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>30 – 60</td>
<td>100</td>
<td>3,600</td>
<td>NA</td>
</tr>
<tr>
<td>POLYURETHANE RESIN</td>
<td>Proprietary</td>
<td>15 – 40</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>ETHYL BENZENE</td>
<td>100-41-4</td>
<td>7 – 13</td>
<td>100</td>
<td>3,600</td>
<td>NA</td>
</tr>
<tr>
<td>ISOPHORONE DIISOCYANATE</td>
<td>4098-71-9</td>
<td>3 – 7</td>
<td>0.005</td>
<td>1,000</td>
<td>123 (4 HR)</td>
</tr>
<tr>
<td>PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE</td>
<td>108-65-6</td>
<td>3 – 7</td>
<td>NA</td>
<td>8,632</td>
<td>NA</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

FIRST AID – INHALATION
Remove from exposure. If there is difficulty in breathing, give oxygen. If not breathing, give artificial respiration. Obtain medical attention immediately.

FIRST AID – SKIN
Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Wash clothing before reuse. Seek medical attention if irritation develops.

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
Have victim drink 1 – 3 glasses of water to dilute stomach contents. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Obtain medical attention immediately.

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
5. FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY
FLAMMABLE LIQUID. Fire hazard. Avoid heat, sparks, open flame and other sources of ignition. Vapour may form explosive mixture with air.

EXTINGUISHING MEDIA
Use alcohol foam, dry chemical, carbon dioxide or any class B extinguishing agent.

SPECIAL HAZARDS OF PRODUCT
During a fire, this material may react when its container is exposed to heat. This reaction increases the pressure inside the closed container and may result in a violent rupture of the container. Cool fire-exposed containers with cold water spray. Hot isocyanates may react vigorously with water or foam.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTING
Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Thoroughly decontaminate all protective equipment after use.

EXPLOSION DATA – SENSITIVITY TO IMPACT
NO
EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE
YES

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES
Small Spill – Remove all sources of ignition. Ventilate area. Absorb spill with an absorbent material such as sawdust, vermiculite or sand and place material into closed container. Large Spill – Dike area to prevent material from entering water systems and sewers. Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed. Remaining liquid may be taken up on absorbent material and shoveled into containers. This material contains the following ingredients which, if spilled or released in quantities equal to or greater than the Reportable Quantity (RQ), are subject to the reporting requirements of CERCLA and/or SARA (40 CFR Parts 302 & 355):

- Xylene                  RQ Value = 100 lbs
- Ethyl Benzene      RQ Value = 1,000 lbs

PERSONAL PRECAUTIONS
Eliminate all sources of ignition. Vapors can accumulate in low areas. Consider need for evacuation. Wear full protective equipment; including respiratory equipment.

ENVIRONMENTAL PRECAUTIONS
Prevent spilled material from contaminating soil or entering drains, sewers, streams or other bodies of water.

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

HANDLING
Avoid skin and eye contact. Avoid breathing vapours or mist. Warning properties (irritation of the eyes, nose and throat or odour) are not adequate to prevent chronic overexposure from inhalation. Protect product from moisture pick-up. Keep container tightly closed. Wash hands thoroughly after handling and before eating or drinking.

STORAGE
Store in a cool, well-ventilated area away from ignition sources. Store at temperatures below 27C (80F). NO SMOKING. Keep container tightly closed when not in use.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES:
Keep ignition sources away – Do NOT Smoke
Protect against electrostatic charges

SPECIFIC END USE(S) : No further information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROL MEASURES
Local exhaust should be used to maintain airborne levels below the TLV. If general ventilation or local exhaust is inadequate, persons exposed to mists should wear approved breathing devices.

RESPIRATORY PROTECTION
Whenever airborne concentrations exceed the recommended TLV or are not known, respiratory protection must be worn. A positive pressure, air supplied respirator or self-contained breathing apparatus is recommended.

HAND PROTECTION
Full-length gloves should be worn during all handling operations. Neoprene gloves.

EYE PROTECTION
Splash proof chemical goggles or 8” face shield. Contact lenses should not be worn when working with this product.

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. If ventilation is poor, wear respiratory protection. During application, flames and unsealed lights must be extinguished and adequate ventilation must be provided. Use normal precautions such as gloves, coveralls, eye protection and facemask with cartridges approved for inorganic vapours. When spraying, free isocyanates may be present - use air-fed, full-face mask if in enclosed area. Maintain adequate ventilation in enclosed areas.
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICAL STATE</td>
<td>Liquid</td>
</tr>
<tr>
<td>ODOR &amp; APPEARANCE</td>
<td>Aromatic, clear amber</td>
</tr>
<tr>
<td>ODOR THRESHOLD (ppm)</td>
<td>NA</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>0.960</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR = 1)</td>
<td>&gt;1.0</td>
</tr>
<tr>
<td>VAPOR PRESSURE 20 C (Xylene)</td>
<td>5.1 mmHg</td>
</tr>
<tr>
<td>EVAPORATION RATE</td>
<td>NA</td>
</tr>
<tr>
<td>BOILING POINT (°C) (Xylene)</td>
<td>138 – 140°C/280.4 – 284°F</td>
</tr>
<tr>
<td>FREEZING POINT (°C)</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 in water</td>
</tr>
<tr>
<td>VOC (g/l)</td>
<td>900 g/L</td>
</tr>
<tr>
<td>FLASH POINT (PMCC) (°C/F)</td>
<td>26°C/78.8°F</td>
</tr>
<tr>
<td>UPPER FLAMMABLE LIMIT %VOL</td>
<td>6.6 Xylene</td>
</tr>
<tr>
<td>LOWER FLAMMABLE LIMIT %VOL</td>
<td>1.0 Xylene</td>
</tr>
<tr>
<td>AUTOIGNITION TEMP (°C/F)</td>
<td>526°C/980°F Xylene (approximate)</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

| Stability                                      | Stable under normal conditions. Will polymerize at high temperature. |
| Conditions to Avoid                           | High temperatures, Static discharge, Open flames, Moisture. Hot isocyanates may react vigorously with water or foam. |
| Materials to Avoid                            | Avoid contact with acids, strong oxidizing agents, amines, water, alcohols and strong bases. |
| Hazardous Polymerization                      | May occur. Contact with moisture or other materials that react with isocyanates may cause polymerization. |
| Hazardous Decomposition Products              | Thermal decomposition may produce isocyanate vapours, carbon monoxide, carbon dioxide and various hydrocarbons. Nitrogen oxides. |

11. TOXICOLOGICAL INFORMATION

**EFFECTS OF ACUTE EXPOSURE**

- **Eye Contact** – causes severe eye irritation. Vapors may cause eye irritation. **Skin Contact** – causes severe irritation. May cause skin sensitization. **Inhalation** – Inhalation of vapors may cause irritation to the respiratory tract (nose, throat and lungs). Inhalation may cause central nervous system depression with symptoms like headaches, dizziness, nausea, confusion and loss of coordination. May cause respiratory sensitization. **Ingestion** – May cause burns to mouth, throat and stomach.

**EFFECTS OF CHRONIC EXPOSURE**

Prolonged or repeated exposure may cause damage to the central nervous system and may result in permanent brain damage. Symptoms include: Loss of memory, judgment and coordination. Chronic overexposure to isocyanate has been reported to cause lung damage, including decrease in lung function, which may be permanent.

**EXPOSURE LIMITS**

See Section 2

**IRRITANCY**

Moderate irritation expected

**SENSITIZATION**

Isocyanate is known to cause skin and respiratory sensitization in humans.

**CARCINOGENICITY**

Ethyl benzene – IARC Group 2B – classified as a possible human carcinogen based on sufficient evidence for carcinogenicity in animals, but inadequate evidence for cancer in exposed humans.

**REPRODUCTIVE TOXICITY**

Xylene – excessive exposure during pregnancy may be hazardous to the developing fetus.

**TERATOGENICITY**

Xylene – high exposures in some animal studies, often at levels toxic to the mother, affected embryo/fetal development. The significance of this finding to humans is not known.

**MUTAGENICITY**

Propylene glycol monomethyl ether acetate was not mutagenic in the Ames assay.

**TOXICOLOGICALLY SYNERGISTIC PRODUCTS**

NA

12. ECOLOGICAL INFORMATION

**MOBILITY**

If product enters soil, it will be highly mobile and may contaminate groundwater.

**PERSISTENCE/DEGRADABILITY**

Xylene biodegrades in soil and water and oxidizes in air.

**BIO-ACCUMULATION**

Product is not expected to bio-accumulate in aquatic organisms.

**ECOTOXICITY**

Fish toxicity – Xylene – LC50 (flathead minnow) 42 mg/l/96hr.
- LC50 (rainbow trout) 13.5 mg/l/96hr

**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 waste container. Do not incinerate closed containers. Dispose of in accordance with all applicable local and national regulations. This product and containers that are not empty, if discarded, would be regulated as a hazardous waste under RCRA. Treatment and/or disposal must be completed at a RCRA-permitted Treatment, Storage and Disposal Facility (TSD).

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. Empty containers may contain hazardous residues. Dispose of containers as per above.

UNCLEANED PACKAGINGS:
RECOMMENDATION: Disposal must be made according to official regulations.

14. TRANSPORTATION INFORMATION

<table>
<thead>
<tr>
<th>CANADA / EXPORT</th>
<th>TDG CLASSIFICATION / DOT CFR 172.101 DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG (CANADA)</td>
<td>(&lt;1 gallon) Proper Shipping Name: Limited Quantity</td>
</tr>
<tr>
<td>DOT CFR 172.101 DATA (USA)</td>
<td>(&lt;1 gallon) Proper Shipping Name: Consumer Commodity, ORM-D</td>
</tr>
<tr>
<td>UN PROPER SHIPPING NAME</td>
<td>PAINT</td>
</tr>
<tr>
<td>UN CLASS</td>
<td>3</td>
</tr>
<tr>
<td>UN NUMBER</td>
<td>UN 1263</td>
</tr>
<tr>
<td>UN PACKAGING GROUP</td>
<td>III</td>
</tr>
<tr>
<td>FLASH POINT</td>
<td>26 degrees C/78 degrees F</td>
</tr>
<tr>
<td>HAZARDOUS MATERIAL</td>
<td>XYLENE 65%</td>
</tr>
<tr>
<td>HAZARD LABEL</td>
<td>3</td>
</tr>
<tr>
<td>MARINE POLLUTANT</td>
<td>YES</td>
</tr>
<tr>
<td>SPECIAL PRECAUTIONS FOR USER</td>
<td>N/A</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

WHMIS: CLASS B-2 Flammable Liquid with flash point lower than 37.8C(100F)
: CLASS D-1A Material causing immediate and serious toxic effects. (VERY TOXIC MATERIAL)
: CLASS D-2A Material causing other toxic effects. (VERY TOXIC MATERIAL)
: CLASS D-2B Material causing other toxic effects. (TOXIC MATERIAL)
: CLASS F Dangerously reactive 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

HAZARD RATING (HMIS): HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 4
5-MINIMAL; 4-SLIGHT; 3-MODERATE; 2-HIGH; 1-EXTREME

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 11, 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.