### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Material Identity**
- **Product Name:** Contact Cement
- **Product Numbers:** 100618A
- **Product Use:** Synthetic Rubber Adhesive

**Company**
- Fibre Glass-Evercoat
- a Division of Illinois Tool Works Inc.
- 6600 Cornell Road
- Cincinnati, Ohio USA
- Phone: 513-489-7600

**Emergency Telephone Numbers:**
- CHEMTREC: 1-800-424-9300
- CANUTEC: 1-613-996-6666

**Prepared By:** Safety Department

### SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS Number</th>
<th>EINECS Number</th>
<th>% (by weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent Naphtha, light</td>
<td>64742-89-8</td>
<td>265-192-2</td>
<td>30 – 35</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>200-662-2</td>
<td>25 – 30</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>203-625-9</td>
<td>15 – 20</td>
</tr>
<tr>
<td>Synthetic Rubber</td>
<td>Proprietary</td>
<td>Proprietary</td>
<td>10 – 15</td>
</tr>
<tr>
<td>Various Resins</td>
<td>Proprietary</td>
<td>Proprietary</td>
<td>5 – 10</td>
</tr>
<tr>
<td>Hexane</td>
<td>110-54-3</td>
<td>203-777-6</td>
<td>5 – 10</td>
</tr>
</tbody>
</table>

**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.

### SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW***

**WARNING!** EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPORS MAY CAUSE FLASH FIRE. VAPOR HARMFUL. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION. CAN CAUSE NERVE DAMAGE TO ARMS AND LEGS, EFFECTS MAY BE PERMANENT.

**Potential Health Effects**

**Acute Effects (Short Term):**

**Eye:** Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

**Skin:** May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

**Swallowing:** Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of this material into the lungs due to vomiting may produce chemical pneumonitis which can be fatal.
Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Toluene: Possible birth defects hazard. Toluene may be harmful to the human fetus based on positive results with laboratory animals. Overexposure to Toluene has been suggested as a cause of the following effects in humans: cardiac sensitization, kidney damage. The substance may have effects on the central nervous system, resulting in decreased learning ability and psychological disorders.

Acetone: Overexposure to this material may have effects on the blood and bone marrow.

Hexane: The substance may have effects on the central nervous system and especially peripheral nervous system, resulting in polyneuropathy. Animal tests show that this substance possibly causes toxic effects upon human reproduction.

Cancer Information: This product does not contain any substance, which is listed as a carcinogen by NTP, IARC or OSHA in quantities greater than 0.1%. This material may contain trace amounts of chemicals considered to be carcinogenic by OSHA (Benzene, IARC-Group 1).

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.
Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be beneficial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: -1.0 ºF (-18.3 ºC)
Explosive Limit: Lower: 1.0%  Upper: 12.8%
Autoignition Temperature: 480.0 ºF (249.0 ºC)
OSHA Flammability Class: Flammable Liquid – Class IB
Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide, phenols and various hydrocarbons.
Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.
Extinguishing Media: Regular foam, carbon dioxide, dry chemical.
Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
NFPA Rating: Health - 2, Flammability - 4, Reactivity - 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not breathe vapors or spray mist. Do not take internally. Close container after each use. Keep out of reach of children.

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75°F (25°C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>CAS Number</th>
<th>OSHA PEL/TWA</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>1000 ppm</td>
<td>500 ppm</td>
</tr>
<tr>
<td>Hexane</td>
<td>110-54-3</td>
<td>500 ppm</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Solvent Naphtha, light</td>
<td>64742-89-8</td>
<td>100 ppm</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>200 ppm</td>
<td>50 ppm</td>
</tr>
</tbody>
</table>

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point:</td>
<td>133 - 232 °F/ 56 - 111 °C</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>Heavier than air.</td>
</tr>
<tr>
<td>Specific Gravity / Density:</td>
<td>0.818/ 6.81 lbs/gal</td>
</tr>
<tr>
<td>Percent Volatiles by weight:</td>
<td>75 - 80 %</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>Slower than ethyl ether.</td>
</tr>
<tr>
<td>Physical State:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Melting Point:</td>
<td>-139.0 °F / -95.0 °C</td>
</tr>
<tr>
<td>pH:</td>
<td>Neutral</td>
</tr>
<tr>
<td>Odor:</td>
<td>Sharp, aromatic odor.</td>
</tr>
<tr>
<td>Solubility:</td>
<td>Insoluble in water.</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>180 mmHg @ 68 °F / 20 °C (Acetone)</td>
</tr>
<tr>
<td>Appearance:</td>
<td>Green Liquid</td>
</tr>
<tr>
<td>Octanol/Water Partition</td>
<td>Unknown</td>
</tr>
<tr>
<td>VOC (material):</td>
<td>4.08 to 3.90 lbs/gal</td>
</tr>
</tbody>
</table>
SECTION 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Product will not undergo hazardous polymerization.

**Hazardous Decomposition:** May form: carbon dioxide, carbon monoxide, phenols and various hydrocarbons.

**Chemical Stability:** Stable under normal handling conditions.

**Incompatibility:** Avoid contact in uncontrolled conditions with: strong oxidizing agents, strong alkalis and strong acids.

SECTION 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity Data:**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>LD$_{50}$ Oral-Rat</th>
<th>LC$_{50}$ Inhalation-Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>5,000 mg/kg</td>
<td>N/E</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>5,800 mg/kg</td>
<td>50,100 mg/m$^3$/8H</td>
</tr>
<tr>
<td>Hexane</td>
<td>110-54-3</td>
<td>28,710 mg/kg</td>
<td>N/E</td>
</tr>
</tbody>
</table>

**Carcinogenicity:** See Cancer Information, Section 3.

**Mutagenicity:** No significant evidence found.

**Teratogenicity:** Possible birth defects hazard. Toluene may be harmful to the human fetus based on positive results with laboratory animals. Animal tests show that Hexane possibly causes toxic effects upon human reproduction.

SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** This material should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

**RCRA Hazardous Waste:** This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

**RCRA Hazard Class:** This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitability. This product contains a small amount of chromium which must be considered during disposal, EPA D007.

SECTION 14. TRANSPORT INFORMATION

**DOT Description:** The DOT Classification for shipping is dependant on quantity, type of packaging or method of shipment.
SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status
TSCA (USA) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)
Component  RQ (lbs.)
Toluene      1000
Hexane       5000
Acetone      5000

SARA Title III: Section 302- Extremely Hazardous Substances
None

SARA Title III: Section 313- Toxic Chemical List
Component  CAS Number  Percentage
Toluene     100-42-5  15 - 20 %
Hexane      110-54-3   5 – 10 %

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.
DSL (Canada) The intentional ingredients of this product are listed.

WHMIS Classification
Health Hazard: D2A, D2B (Other Toxic Effects)
Physical Hazard: B2 (Flammable)

State and Local Regulations

California Proposition 65:
This product contains the following chemical(s) known to the state of California to cause cancer. BENZENE.
This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. BENZENE, TOLUENE

SECTION 16. OTHER INFORMATION

HMIS Rating:  Health – 2*,  Flammability - 4,  Reactivity - 0
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.