Section 1 Product and Company Identification

Chemical Product Name: Isocyanate – CHICO Speedseal (SS2 & SS6)
Product Description: Aromatic isocyanate
CAS Number: Mixture
Synonyms: NA
Recommended Use(s): Part 1 of a 2-part rigid polyethylene foam industrial sealant
Company Information: Eaton Crouse-Hinds LLC
                        P.O. Box 4999
                        Syracuse, NY  13221-4999
                        USA
Telephone: (315) 477-7000
Emergency Phone: (888) 847-3610 EXT. 3
Transportation Emergencies: CHEMTREC (800) 424-9300
                            (703) 741 – 5500 (international)

Section 2 Hazards Identification

GHS Classification
Acute toxicity, inhalation (Category 4)
Skin irritation (Category 2)
Eye irritant (Category 2A)
Respiratory sensitization (Category 1)
Skin sensitization (Category 1)
Specific target organ toxicity (Respiratory system, Category 2)

Health Hazards/Caution Statements

Classification According To Regulation (EC) No 1272/2008 [CLP/GHS]:
Signal Word: Danger
Pictograms:

Hazard Statements:
Harmful if inhaled
Causes skin irritation
Causes severe eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
May cause respiratory irritation
Precautionary Statements:

**Prevention:**
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands and exposed skin thoroughly after handling. Wear protective gloves described in Section 8 of SDS.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protection clothing/eye protection/face protection.
In case of inadequate ventilation wear respiratory protection described in Section 8 of SDS.

**Response:**
Take off contaminated clothing and wash it before reuse.
IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye or skin irritation or rash occurs, get medical advice/attention.
Call a poison center or doctor if you feel unwell.
Specific treatment: see section 4 of SDS.

**Storage:**
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

**Disposal:**
Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards:** Contains isocyanates. May produce allergic reaction. Inhalation may cause burning of the nose and throat, cough, laryngitis, chest pain and asthmatic symptoms. May cause eye and respiratory irritation. Prolonged or repeated inhalation of isocyanate vapors can cause lung damage. Heating of the product can release additional vapors. This product should not be used without adequate ventilation.

**OSHA Status:** This product is a hazardous chemical, as defined by OSHA at 29 CFR 1910.1200.

**Potential health effects:** May cause eye, skin, or respiratory irritation.

**Health effects/target organs:** Eyes, skin, respiratory system.

**Relevant routes of exposure:** Inhalation, skin contact, eye contact

**Inhalation:** Toxic if inhaled. May cause irritation or sensitize the respiratory tract. Sensitization of the respiratory tract may cause asthma attacks with chest tightness, breathlessness and discomfort.
**Skin contact:** May cause irritation and sensitization.

**Eye contact:** May cause irritation and redness.

**Ingestion:** May cause gastrointestinal irritation and discomfort. Symptoms may include abdominal pain, nausea, vomiting, and diarrhea.

**Existing conditions aggravated by exposure:** May aggravate pre-existing respiratory conditions. Individuals with asthma or other respiratory conditions should not be exposed to this product.

**Note:** When reacted, this product is a portion of a 2-part rigid polyurethane foam. MDI and Polyol are supplied in separate plastic compartments in a closed plastic container. The barrier between the two substances is broken before dispersion. Contact with unreacted MDI is not expected under normal working conditions.

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**Potential Environmental Effects**

This product is not expected to have an adverse effect on the environment.

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**Section 3 Composition and Information on Ingredients**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diphenylmethane-4,4’-diisocyanate (MDI)</td>
<td>101-68-8</td>
<td>30-60</td>
</tr>
<tr>
<td>Polymeric diphenylmethane diisocyanate (MDI)</td>
<td>9016-87-9</td>
<td>30-60</td>
</tr>
<tr>
<td>Diphenylmethane-2,‘-diisocyanate</td>
<td>5873-54-1</td>
<td>7-13</td>
</tr>
</tbody>
</table>

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**Section 4 First Aid Measures**

**Eye Contact:** Holding eyelids away from the eyeballs, flush eyes thoroughly with lukewarm water for 15 minutes. Do not rub. If irritation persists, seek medical attention.

**Skin Contact:** Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation develops, seek medical attention.

**Inhalation:** Remove to fresh air and give oxygen or artificial respiration as indicated. Get immediate medical attention. Individuals that become sensitized to this product should avoid further exposure to prevent serious allergic reactions.

**Ingestion:** DO NOT INDUCE VOMITING. Give 4-8 ounces of milk or water and immediately call a poison control center or a physician. Never give anything by mouth to anyone that is or could rapidly become unconscious.

**Notes to physician:** Contains isocyanates. May produce allergic reaction.
Section 5 Fire Fighting Measures

Special Fire Fighting Procedures:

**Extinguishing media:** Water fog, foam, dry chemical, or carbon dioxide. Do not use water jet.

**Protective Equipment:** Firefighters should wear a NIOSH-approved, full-facepiece self-contained breathing apparatus (SCBA) operated in positive pressure mode and full turnout gear with additional chemical protective clothing as necessary to prevent exposure to hazardous decomposition products.

**Unusual Fire or Explosion Hazards:** Water contamination produces carbon dioxide gas. This may cause pressurization or explosion of containers.

**Hazardous combustion products:** Thermal decomposition will produce carbon, nitrogen, and sulfur oxides and other oxidation products.

Section 6 Accidental Release Measures

**Personal Protection:** Wear protective equipment appropriate for the level of exposure. See Section 8.

**Spill Procedures:** Isolate the hazard and deny entry to unnecessary and unprotected personnel. Do not walk through or otherwise scatter spilled material. Avoid prolonged skin contact.

**Environmental Precautions and Cleanup Methods:** Clean spill area with a solution of 90% water, 8% ammonia and 2% detergent.

Section 7 Handling and Storage

**Precautions:** Do not open cans or outer foil bag until ready to use. Avoid contact with skin, eyes, and clothing. Do not breathe vapors or mists. Promptly remove contaminated clothing promptly and launder separately. Wear clean work clothes daily. Wash thoroughly after handling and before meals, breaks, and smoking. Do not eat, drink, or smoke in work and storage areas. Do not store food, cosmetics, cigarettes or other personal items in storage and use areas. Use only in well ventilated areas.

**Storage:** Store in a well-ventilated area. Keep containers well closed.

Section 8 Exposure Controls and Personal Protection

**Engineering Controls/Ventilation:** Local exhaust ventilation used in combination with general ventilation as necessary to control air contaminants to at or below acceptable exposure guidelines.

**Eye Protection:** Wear chemical goggles or face shield if risk of splashing is present.

**Respiratory Protection:** Under normal working conditions with airborne exposures below acceptable exposure guidelines, none required. For airborne exposures above acceptable limits, wear NIOSH approved respiratory protection in accordance with OSHA 29 CFR 1910.134.

**Skin Protection:** Rubber gloves; chemical apron if risk of splashing is present.

**Other:** Safety shower and eye wash should be available in area where product is used.
Section 9 Physical and Chemical Properties

Color: Amber
Physical form: Liquid
Odor: Slight
Odor Characteristics: No data
Odor Threshold: No data
pH (undiluted): NA
Flash Point: 203 °C (397.4 °F) ASTM D-93, Closed Cup
Flammability (solid, gas): NA
Boiling Point: > 300 °C (decomposes)
Evaporation Rate: No data
Melting Point: No data
Lower Explosive Limit: Not established
Upper Explosive Limit: Not established
Vapor Pressure: 0.000004 mm Hg (at 70 °F)
Vapor Density: 8.5
Specific Gravity: 1.2 g/ml
Solubility: Reactive with water
Auto-ignition Temperature: No data
Decomposition Temperature: No data

Section 10 Stability and Reactivity

Stability: Stable under normal use and storage conditions.
Hazardous polymerization: Will not occur.
Oxidizing Properties: None known for product.
Hazardous Decomposition Products: Oxides of carbon, nitrogen oxides, sulfur, cyanide-type gas, and MDI vapors.
Incompatibilities: Reacts with strong alkalis, acids, alcohols, and oxidizers, water or moisture and temperatures above 300 °F. Reaction with alcohols can be violent. MDI polymerizes at 450 °F.

Conditions to avoid: Moisture, excessive heat. Possibility of hazardous polymerization if contacted with excessive moisture or with other materials that react with isocyanates.

Section 11 Toxicological Information

Acute toxicity and immediate effects:

**Oral LD50 (rat):**
Polymeric diphenylmethane diisocyanate
Oral, LD50: > 10000 mg/kg (rat)
Dermal LD50: > 9400 mg/kg (rabbit)
Diphenylmethane-4,4'-diisocyanate
Oral, LD50: > 10000 mg/kg (rat)
Dermal LD50: > 9400 mg/kg (rabbit)

**Inhalation LC50 (rat):** No data

Delayed and chronic effects: Prolonged or repeated inhalation of isocyanate vapors can cause lung damage.

Carcinogenicity:

- IARC: No
- NTP: No
- OSHA: No

Mutagenicity: No data is available for this material.

Reproductive toxicity: No data is available for this material.

Sensitization: Contains isocyanates. May cause allergic reaction. May cause sensitization of skin or respiratory tract.

Signs and symptoms of overexposure:

**If Inhaled:** Inhalation may cause burning of the nose and throat, cough, laryngitis, chest pain and asthmatic symptoms.

**If Ingested:** May cause gastrointestinal irritation and discomfort. Symptoms may include abdominal pain, nausea, vomiting, and diarrhea.

**If on Skin or Eyes:** May cause eye and respiratory irritation. Skin and respiratory sensitizer.
Section 12 Ecological Information

This product is not expected to have an adverse effect on the environment. Avoid exposure to environment whenever possible.

Toxicity to fish: No data
Ecotoxicological Information: No data
Chemical Fate Information: No data

Section 13 Disposal Considerations

Recycle, reclaim, or dispose of contents/container to an approved landfill in accordance with local, regional, national, international regulations. Do not discard into any sewers, on the ground, or into any body of water. It is the responsibility of the waste generator to determine the proper waste identification and disposal methods.

Section 14 Transportation Information

TDG: Not regulated.
IMO/IMDG: Not regulated.
ICAO/IATA: Not regulated.
DOT: Not regulated.

Section 15 Regulatory Information

TSCA Inventory Status: All ingredients are listed on the TSCA inventory.

SARA Section 311/312 Hazard Categories: Immediate (acute) and delayed (chronic) hazards

Section 313 Toxic Chemicals: This product contains the following chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and 40 CFR 372:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>% Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDI</td>
<td>101-68-8</td>
<td>60-100</td>
</tr>
</tbody>
</table>

CERCLA RQ: This product does not contain ingredients subject to the report requirements of SARA 304 (CERCLA) and 302 (EHS).

California Proposition 65: This product does not contain a chemical known to the State of California to cause cancer.

Canadian Regulations: All components of this product are included in the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL).

WHMIS Classification: D2A, D2B
Section 16 Other Information

Revision Number: Revision 3
Revision Date: May 28, 2015

Abbreviations
CAS Chemical Abstracts Service
CERCLA Comprehensive Environmental Response Compensation and Liability Act
CFR US Code of Federal Regulations
HSIS Australia Hazardous Substance Information System
IARC International Agency for Research on Cancer
LD50 Lethal dose to 50% of exposed laboratory animals
NA Not available
NIOSH US National Institute of Occupational Safety and Health
NOEC No observed effect concentration
NTP US National Toxicology Program
OSHA US Occupational Safety Health Administration
PEL Permissible exposure limit
RQ Reportable quantity
SARA Superfund Amendments and Reauthorization Act
STEL Short term exposure limit
TSCA Toxic Substances Control Act
TWA Time weighted average
UN United Nations
WHMIS Canada Workplace Hazardous Material Information System

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