

Crouse-Hinds

by **EATON**

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

Crouse-Hinds

by **EATON**

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/protective 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.

Crouse-Hinds

by **EATON**

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.

Potential Environmental Effects

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

Section 3 Composition and Information on Ingredients

Component	CAS #	%
Diphenylmethane-4,4'-diisocyanate (MDI)	101-68-8	30-60
Polymeric diphenylmethane diisocyanate (MDI)	9016-87-9	30-60
Diphenylmethane-2,'-diisocyanate	5873-54-1	7-13

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.

Crouse-Hinds

by 

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.

Crouse-Hinds

by **EATON**

Component	CAS #	OSHA/PEL	ACGIH/TLV
Diphenylmethane-4,4'-diisocyanate (MDI)	101-68-8	0.02 ppm (Ceiling)	0.005 ppm
Polymeric diphenylmethane diisocyanate (MDI)	9016-87-9	None found	0.05 mg/m3
Diphenylmethane-2,'-diisocyanate	5873-54-1	None found	None found

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.

Crouse-Hinds

by **EATON**

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.

Crouse-Hinds

by **EATON**

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:

Chemical	CAS Number	% Weight
MDI	101-68-8	60-100

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

Crouse-Hinds

by **EAT•N**

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

DISCLAIMER

The information in this SAFETY DATA SHEET should be provided to all who will use, handle, store, transport, or otherwise be exposed to this material. This information has been prepared for the guidance of plant engineering, operations, and management, and for persons working with or handling this material. Eaton Cooper Crouse-Hinds believes this information to be reliable and up-to-date as of the date of publication, but makes no warranty that it is.