SAFETY DATA SHEET

IsoMold CMR 7001 Pol

Section 1: Product and Company Identification

Product name: IsoMold CMR 7001 Pol

Manufacturer:
Isotec® International, Inc.
201 Longview Street
Canton, GA 30114
Customer Service: 800-234-6300

24 Hour Emergency Telephone Numbers:
Poison Control Center (Medical): (877) 800-5553
ChemTel: United States 800-255-3924 * International 1-813-248-0585

Section 2: Hazards Identification

GHS Classifications

Health:
Skin Sensitization, Category 1

GHS Label

Exclamation mark

Signal Word: Warning.

Hazard Statements

H317: May cause an allergic skin reaction.

Precautionary Statements

Prevention:
P261: Avoid breathing mist, vapors and spray.
P280: Wear protective gloves, protective clothing, eye protection and face protection.

Response:
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: Get medical attention.
P362+P364: Take off contaminated clothing and wash before reuse.

Section 3: Composition/Information on Ingredients

Component	% (weight)	Product Identifier
Di-(methylthio)toluenediamine	10-15	CAS No. 106264-79-3

Section 4: First Aid Measures

Eyes: Immediately flush eyes with plenty of water.

Skin: Wash with soap and water. Seek medical advice if irritation persists or a rash occurs. Wash contaminated clothing before reuse.

Ingestion: Give one or two glasses of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless instructed to do so by a poison center or physician.

Inhalation: Move person to fresh air.

Section 5: Firefighting Measures

Extinguishing Media: Water fog, foam, dry chemical or carbon dioxide.

Hazardous Combustion Products: Carbon oxides and nitrogen oxides.

Fire Fighting Procedures: Use water spray to cool fire-exposed containers.

Fire Fighting Equipment: Exposed firefighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

Section 6: Accidental Release Measures

Small Spill: Isolate the area and prevent entry of unnecessary and unprotected personnel. Do not walk through or otherwise scatter spilled product. Absorb with dry chemical absorbent, earth, sand or any other inert material. Place in a chemical waste container.

Large Spill: Same procedure as for a small spill. Prevent entry into waterways, sewers, basements or confined areas.

Special Protective Equipment: Wear protective equipment listed in Section 8.

Section 7: Handling and Storage

Handling: Do not get in eyes, on skin or on clothing. Wash hands before eating, drinking or smoking. Keep container closed when not in use. Do not reseal if contaminated. Keep away from heat and flame.

Storage: Store in tightly closed containers in cool, dry and well-ventilated area away from heat or sources of ignition. Keep out of direct sunlight.

Storage Temperature: Minimum 12.8 - 15.5 °C (55 - 60 °F)

Section 8: Exposure Controls/Personal Protection

Eyes and Face: Wear a face shield and chemical safety glasses or goggles.

Skin: Wear impervious gloves. Cover exposed skin.

Respiratory: None required in normal use.

Work Hygienic Practices: Avoid eating, drinking or smoking while using this material. Wash hands thoroughly after handling.

Section 9: Physical and Chemical Properties

Appearance	Gray liquid.
Odor	Mild.
Autoignition Temperature	Not established.
Freezing Point	Not established.
Boiling Point	Not established.
Flash Point (Closed Cup)	> 93.3°C (200°F)
Solubility in water	Partial.
Specific Gravity (water = 1)	0.99 at 25°C (77°F)
Viscosity (centipoise)	600 at 25°C (77°F)

Section 10: Stability and Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Carbon oxides and nitrogen oxides.

Incompatible Materials: Strong acids and strong oxidizers.

Section 11: Toxicological Information

Acute:

Component	Oral LD_{50} (rat)	Dermal LD_{50} (rabbit)
Di-(methylthio)toluenediamine	1515 mg/kg	> 2000 mg/kg

Carcinogenicity:

IARC: Not regulated as a carcinogen
NTP: Not regulated as a carcinogen.
OSHA: Not regulated as a carcinogen.

Section 12: Ecological Information

Ecotoxicological Information:

Di-(methylthio)toluenediamine: LC_{50} (rainbow trout) 7.3 mg/l/96h; EC_{50} (Daphnia magna) 0.9 mg/l/48h

Section 13: Disposal Considerations

Disposal Method: Dispose in accordance with local, state, provincial or national regulations.

Empty Container: Decontaminate and pass to an approved drum recycler or destroy.

RCRA/EPA Waste Information: If discarded in its purchased form, this material is not a RCRA hazardous waste.

General Comments: The generation of waste should be avoided or minimized whenever possible. Chemical waste, even small quantities, should never be poured into drains, sewers or waterways.

Section 14: Transport Information

U.S. DOT: Not regulated.
ICAO/IATA: Not regulated.
IMO/IMDG: Regulated as a marine pollutant.

Section 15: Regulatory Information

United States

311/312 Hazard Categories: Acute, Chronic.

313 Reportable Components: None.

CERCLA (Comprehensive Environmental Response and Liability Act): None.

TSCA (Toxic Substances Control Act): All components are in TSCA inventory**.**

RCRA Status: If discarded in its purchased form, this material is not a RCRA hazardous waste.

Section 16: Other Information

Date Issued: January 24, 2018

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Abbreviations and Acronyms:

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
EC_{50}	Median effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC_{50}	Lethal concentration to 50% of exposed laboratory animals
LD_{50}	Lethal dose to 50% of exposed laboratory animals
TWA	Time-weighted average
TLV	Threshold limit value
NIOSH	US National Institute of Occupational Safety and Health
NE	Not established
NTP	US National Toxicology Program
OEL	Occupational exposure limit
OSHA	US Occupational Safety Health Administration
PEL	Permissible exposure limit
RQ	Reportable quantity
STEL	Short term exposure limit
U.S. DOT	United States Department of Transportation

SAFETY DATA SHEET

IsoMold CMR 7001 Iso

Section 1: Product and Company Identification

Product name: IsoMold CMR 7001 Iso

Manufacturer:
Isotec® International, Inc.
201 Longview Street
Canton, GA 30114
Customer Service: 800-234-6300

24 Hour Emergency Telephone Numbers:
Poison Control Center (Medical): (877) 800-5553
ChemTel: United States 800-255-3924 * International 1-813-248-0585

Section 2: Hazards Identification

GHS Classifications

Health:
- Acute Toxicity (Inhalation), Category 2
- Skin Irritation, Category 2
- Eye Irritation, Category 2
- Respiratory Sensitization, Category 1
- Skin Sensitization, Category 1
- Target organ toxicity single exposure, Category 3
- Carcinogenicity, Category 2

GHS Label


Health hazard


Skull and crossbones

Signal Word: Danger.

Hazard Statements
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H330: Fatal if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.

Precautionary Statements

Prevention:

P260: Do not breathe mist, vapors or spray.
P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves, protective clothing, eye protection and face protection.
P284: In case of inadequate ventilation wear respiratory protection.

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P362: Take off contaminated clothing.
P333+P313: If skin irritation or rash occurs: Get medical attention.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or physician.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical attention.
P308+P313: IF exposed or concerned: Get medical attention.

Section 3: Composition/Information on Ingredients

Component	% (weight)	Product Identifier
TDI Prepolymer	50-60	
Toluene diisocyanate mixed isomers	5-10	CAS No. 26471-62-5

Section 4: First Aid Measures

Eyes: Immediately flush eyes with plenty of water. Remove contact lenses, if present. Seek medical attention if irritation persists.

Skin: Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Seek medical attention if irritation or rash occurs.

Ingestion: If person is conscious, wash out mouth with water. Obtain immediate medical attention. Do not induce vomiting unless instructed to do so by a poison center or physician.

Inhalation: Move person to fresh air. Obtain medical attention. Symptoms may be delayed for several hours.

Section 5: Firefighting Measures

Extinguishing Media: Water fog, foam, dry chemical or carbon dioxide.

Hazardous Combustion Products: Carbon oxides, nitrogen oxides, isocyanates and trace amounts of hydrogen cyanide.

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

Fire Fighting Equipment: Exposed firefighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

Section 6: Accidental Release Measures

Personal Protection: Wear protective equipment listed in Section 8.

Small Spill: Isolate the area and prevent entry of unnecessary and unprotected personnel. Do not walk through or otherwise scatter spilled product. Absorb with dry chemical absorbent, earth, sand or any other inert material. Place in a chemical waste container.

Large Spill: Same procedure as for a small spill. Create a dike or trench to contain product. Prevent entry into waterways, sewers, basements or confined areas. Allow to stand uncovered 48 hours before closing container.

General Procedures: Clean spill area with a decontamination solution. Suggested formulation: Sodium carbonate (5 10%), liquid detergent (1-2%), water (88-94%). Alternate formulation: Concentrated ammonia (3-8%), liquid detergent (1-2%), water (90-96%). Ensure adequate ventilation to prevent overexposure of ammonia.

Special Protective Equipment: Wear protective equipment listed in Section 8.

Section 7: Handling and Storage

Handling: Do not get in eyes, on skin or on clothing. Wash hands before eating, drinking or smoking. Do not breathe vapors or mists. Use only with adequate ventilation. Keep container closed when not in use. Do not reseal if contaminated. Keep away from heat and flame.

Storage: Store in tightly closed containers in cool, dry and well-ventilated area away from heat or sources of ignition. Keep out of direct sunlight.

Storage Temperature: Minimum 12.8 - 15.5 °C (55 - 60 °F)

Section 8: Exposure Controls/Personal Protection

Exposure limits:

Component	CAS No.	OSHA/PEL	ACGIH/TLV
Toluene diisocyanate mixed isomers	26471-62-5	0.005 ppm 0.02 ppm STEL	0.005 ppm 0.02 ppm

Engineering Controls: Local exhaust ventilation used in combination with general ventilation as necessary to control air contaminates.

Eyes and Face: Wear a face shield and chemical safety glasses or goggles.

Skin: Wear impervious gloves. Cover exposed skin.

Respiratory: For airborne exposure above the exposure limit(s), wear a NIOSH approved air-purifying respirator equipped with organic vapor cartridges. For situations where the atmospheric levels may exceed the level for which an air-purifying respirator is effective, use a positive-pressure air-supplying respirator.

Work Hygienic Practices: Avoid eating, drinking or smoking while using this material. Wash hands thoroughly after handling.

Section 9: Physical and Chemical Properties

Appearance	Light yellow liquid.
Odor	Pungent.
Autoignition Temperature	Not established.
Freezing Point	Not established.
Boiling Point	Not established.
Flash Point (Closed Cup)	Not established.
Vapor Pressure	< 0.014 hPa at 20°C (68°F)
Vapor Density (air = 1)	Heavier than air.
Solubility in water	Insoluble.
Specific Gravity (water = 1)	1.03 at 25°C (77°F)
Viscosity (centipoise)	1200 at 25°C (77°F)

Section 10: Stability and Reactivity

Stability: Stable.

Hazardous Polymerization: Can be caused by elevated temperatures.

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides, isocyanates and trace amounts of hydrogen cyanide.

Incompatible Materials: Water, amines, oxidizers, alcohols and strong bases.

Section 11: Toxicological Information

Acute:

Component	Oral LD_{50} (rat)	Dermal LD_{50} (rabbit)	Inhalation LC_{50} (rat)
Toluene diisocyanate mixed isomers	5110 mg/kg	> 9400 mg/kg	0.48 mg/l/4h

Carcinogenicity:

IARC: Toluene diisocyanate: 2B - Possibly carcinogenic to humans.
NTP: Toluene diisocyanate is reasonably anticipated to be a human carcinogen.
OSHA: Not regulated as a carcinogen.

Section 12: Ecological Information

Ecotoxicological Information:

Toluene diisocyanate: LC_{50} (Oncorhynchus) 133 mg/l/96h; EC_{50} (Daphnia magna) 12.5 mg/l/48h

Section 13: Disposal Considerations

Disposal Method: Dispose in accordance with local, state, provincial or national regulations.

Empty Container: Decontaminate and pass to an approved drum recycler or destroy.

RCRA/EPA Waste Information: If discarded in its purchased form, this material is not a RCRA hazardous waste.

General Comments: The generation of waste should be avoided or minimized whenever possible. Chemical waste, even small quantities, should never be poured into drains, sewers or waterways.

Section 14: Transport Information

U.S. DOT: Not regulated when shipped below reportable quantity.
ICAO/IATA: Not regulated when shipped below reportable quantity.
IMO/IMDG: Not regulated when shipped below reportable quantity.

Section 15: Regulatory Information

United States

SARA Title III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories: Acute, Chronic, Reactive.

313 Reportable Components:

Component	CAS No.
Toluene diisocyanate mixed isomers	26471-62-5

CERCLA (Comprehensive Environmental Response and Liability Act)

Component	RQ (lbs)
Toluene diisocyanate mixed isomers	100

TSCA (Toxic Substances Control Act): All components are in TSCA inventory**.**

RCRA Status: If discarded in its purchased form, this material is not a RCRA hazardous waste.

National Response Center: Any spill or release to the environment above the RQ must be reported to the National Response Center (800-424-8802).

Section 16: Other Information

Date Issued: January 24, 2018

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