



# SAFETY DATA SHEET

Date issued : 03/13/2024  
SDS number : SCR-FZ-88 A

## SCR-FZ-88 Part A

### 1. Identification

**Product identifier:** SCR-FZ-88 Part A

**Manufacturer**

Speedy Concrete Repair  
3900 Camp Road  
Jasper, GA 30143

**Customer Service:** 877-891-1865

**Web:** www.speedyconcretere.com

**Emergency telephone number (24 hour)**

**Poison Control Center (Medical):** (800) 222-1222

### 2. Hazard identification

**Classification of the substance or mixture**

**Health hazards:**

Skin Irritation, Category 2  
Skin Sensitization, Category 1  
Eye Irritation, Category 2A  
Respiratory Sensitization, Category 1  
Target Organ Toxicity (Single exposure), Category 3  
Target Organ Toxicity (Repeated exposure), Category 2

**Label elements**



Health  
hazard



Exclamation  
mark

**Signal word:** DANGER

**Hazard statement(s)**

H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335: May cause respiratory irritation.  
H373: May cause damage to respiratory system through prolonged or repeated exposure.

**Precautionary statement(s)**

**Prevention:**

P260: Do not breathe mist, vapors and spray.  
P264: Wash skin thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
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 water.  
P333+P313: If skin irritation or rash occurs: Get medical advice.  
P362: Take off contaminated clothing.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor.



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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 advice.

P314: Get medical advice if you feel unwell.

### 3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
MDI Prepolymer	50 - 60	112898-48-3
4,4'-Diphenylmethane Diisocyanate	10 - 20	101-68-8
Polymeric Diphenylmethane Diisocyanate	10 - 20	9016-87-9

### 4. First-aid measures

**Eye:** Immediately flush eyes with plenty of water. Remove contact lenses, if present. Seek medical advice if irritation persists.

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

**Ingestion:** If person is conscious, wash out mouth with water. 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 poison center or doctor.

**Inhalation:** Move person to fresh air. Seek medical attention if symptoms of respiratory distress occur. Symptoms may be delayed for several hours.

### 5. Fire-fighting measures

**Suitable extinguishing media:** Water fog, foam, dry chemical and carbon dioxide.

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

**Fire fighting equipment:** Fire fighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

### 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. Ventilate the area. Absorb with dry chemical absorbent or any other dry inert material. Place in a chemical waste container.

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

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

**Comments:** Avoid using earth, sand and clay as absorbents as these can be wet. Isocyanates react with water to form carbon dioxide. Carbon dioxide functions as a blowing agent, causing the product to form. Allow the waste container to stand loosely covered for 48 hours before closing. Reaction with water can be slow. Build up of carbon dioxide in a closed container can cause rupture.

### 7. Handling and storage

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

**Conditions for safe storage:** Store in tightly closed containers in a cool, dry and well-ventilated area away from heat or sources of ignition. Keep out of direct sunlight.

**Storage temperature:** 15.5°C (60°F) Minimum to 37.7°C (100°F) Maximum



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### 8. Exposure controls/personal protection

#### Exposure controls

Control parameters				
Chemical name	Occupational exposure limit values			
	Type		ppm	mg/m <sup>3</sup>
4,4'-Diphenylmethane Diisocyanate	OSHA PEL	TWA	0.02 [1]	0.2 [1]
	ACGIH TLV	TWA	0.005	

**Footnotes:**  
1. Ceiling

**Appropriate engineering controls:** Local exhaust ventilation used in combination with general ventilation as necessary to control air contaminates.

#### Individual protection measures, such as personal protective equipment

**Eye / face protection:** Wear a face shield and chemical safety glasses or goggles.

**Skin protection - hand protection:** Wear impervious gloves. Cover exposed skin.

**Respiratory protection:** 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.

**Occupational hygiene practices:** Avoid eating, drinking or smoking while using this product. Wash hands thoroughly after handling.

### 9. Physical and chemical properties

**Physical state:** Liquid

**Color:** Amber

**Odor:** Slightly musty

**Freezing point:** Not established

**Initial boiling point and boiling range:** Not established

**Flash point:** > 93.3°C (200°F)

**Vapor pressure:** < 0.001 mmHg at 25°C (77°F)

**Relative vapor density:** Heavier than air

**Relative density:** 1.09 (water = 1) at 25°C (77°F)

**Solubility:** Insoluble

**Auto-ignition temperature:** Not established

**Dynamic viscosity:** 1300 cP at 25°C (77°F)

### 10. Stability and reactivity

**Dangerous polymerization:** Can be caused by elevated temperatures

**Chemical stability:** Stable

**Hazardous decomposition products:** Carbon oxides, nitrogen oxides, isocyanates, formaldehyde and trace amounts of hydrogen cyanide

**Incompatible materials:** This product will react with any materials containing active hydrogens such as water, alcohol, amines, bases and acids. The reaction with water is very slow under 122 °F (50 °C), but is accelerated at higher temperatures.

### 11. Toxicological information



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### Acute toxicity

Chemical name	LD <sub>50</sub> (oral) mg/kg(rat)	LD <sub>50</sub> (dermal) mg/kg(rabbit)	LC <sub>50</sub> (inhalation) mg/l
4,4'-Diphenylmethane Diisocyanate	> 10000 mg/kg	> 9400 mg/kg	0.49 mg/l/4h (rat)

### 12. Ecological information

#### Aquatic ecotoxicity

Chemical name	96-hour LC <sub>50</sub>	48-hour EC <sub>50</sub>
4,4'-Diphenylmethane Diisocyanate	> 1000 mg/l (Brachydanio rerio)	> 1000 mg/l (Daphnia magna)

### 13. Disposal considerations

**Disposal methods:** 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.

### 14. Transport information

**Comments:** Not regulated as dangerous goods when shipped below RQ.

### 15. Regulatory information

#### UNITED STATES

##### SARA Title III

**311/312 Health hazards:** Eye Irritation, Respiratory Sensitization, Skin Irritation, Skin Sensitization, Target Organ Toxicity (Repeated exposure), Target Organ Toxicity (Single exposure)

##### EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.	Comments
4,4'-Diphenylmethane Diisocyanate	10 - 20	101-68-8	Diisocyanates category
Polymeric Diphenylmethane Diisocyanate	10 - 20	9016-87-9	Diisocyanates category

##### CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical name	% w/w	CERCLA RQ
4,4'-Diphenylmethane Diisocyanate	10 - 20	5000 lb.

##### TSCA (The Toxic Substances Control Act)

**TSCA regulatory:** All components are in TSCA inventory.

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

### 16. Other information

**Approved by:** L. P.    **Title:** EHS

**Date Prepared:** 03/13/2024

**Additional SDS information:**



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ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
EC <sub>50</sub>	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 <sub>50</sub>	Lethal concentration to 50% of exposed laboratory animals
LD <sub>50</sub>	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

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