

SOLHYDFAST 5000 PART-B**SECTION 1. IDENTIFICATION**

Product Identifier	SOLHYDFAST 5000 PART-B
Other Means of Identification	SOL-FAST-5000-B
Recommended Use	Quick setting cement repair.
Restrictions on Use	Use with Part A (resin) of this product.
Manufacturer/Supplier Identifier	SOLHYDROC INC., 2909 Powerscourt, Athelstan, Québec, J0S 1A0, Marc Charlebois, 888-765-4937, www.solhydrop.com
Supplier Identifier	SOLHYDROC INC., 2909 Powerscourt, Athelstan, Québec, J0S 1A0, Marc Charlebois, 888-765-4937, www.solhydrop.com
Emergency Phone No.	Marc Charlebois, 514-705-7198, 24 Hrs/ 7 Jours CANUTEC, 613-996-6666, 24HR/7Jours
SDS No.	0211

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Acute toxicity (Inhalation) - Category 4; Eye irritation - Category 2A; Respiratory sensitization - Category 1; Skin sensitization - Category 1

Label Elements

Danger

Harmful if inhaled.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Prevention:

Avoid breathing dust/fume/gas/mist/vapours/spray.

Avoid release to the environment.

Contaminated work clothing must not be allowed out of the workplace.

Wear personal protective equipment/face protection.

Wash hands thoroughly after handling.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTRE or doctor if you feel unwell.

If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice or attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice or attention.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
4,4'-Methylenediphenyl diisocyanate	101-68-8	<63	
Modified MDI		<63	
Polymeric Diphenylmethane Diisocyanate	9016-87-9	<12	
Benzène, 1,1'-méthylènebis (4-isocyanato-, homopolymère	25686-28-6	<12	
Methylenediphenyl diisocyanate (mixed isomers)	26447-40-5	<3	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). Move to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. If breathing has stopped, trained personnel should begin rescue breathing. Call a Poison Centre or doctor. Specific treatment is required.

Skin Contact

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. If exposed or concerned, call a Poison Centre or doctor.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Never give liquid to an unconscious person. Give two glasses of water do NOT induce vomiting unless medically advised if vomiting is inevitable, prevent aspiration by keeping the victims head below the knee take off any tight items of clothing that may be confining. Never give anything by mouth to unconscious person if exposed or concerned, get medical advice or attention.

Most Important Symptoms and Effects, Acute and Delayed

If in eyes: may cause moderate to severe irritation. May cause serious eye damage. May irritate or burn the eyes. Permanent damage including blindness may result. If on skin: skin sensitizer. May cause an allergic skin reaction in some people. If inhaled: can cause severe irritation of the nose and throat. May cause asthma symptoms or breathing difficulties if inhaled. If swallowed: can irritate the mouth, throat and stomach.

Immediate Medical Attention and Special Treatment

Target Organs

Digestive system, eyes, respiratory system, lungs, skin.

Special Instructions

Medical conditions aggravated by exposure: Asthma. other respiratory disorders(Bronchitis, emphysema and bronchial hyper activity) skin allergies and Eczema.

Medical Conditions Aggravated by Exposure

May cause skin sensitization asthma, eye conditions, skin conditions, skin allergies, respiratory conditions.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use foam or other suitable extinguishing agent.

Unsuitable Extinguishing Media

None known.

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Specific Hazards Arising from the Product

Combustible liquid. Can ignite if heated. Releases vapour that can form explosive mixture with air at or above the flash point.

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

Special Protective Equipment and Precautions for Fire-fighters

Evacuate area. Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills. Self contained NIOSH approved breathing apparatus should be available for fire fighters.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: dike and recover contaminated water for appropriate disposal. Wear suitable protective equipment remaining liquid may be taken up with sand, clay, earth, floor absorbent or other absorbent material and shoveled into container.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not breathe in this product. Prevent all skin contact. Do not get in eyes. Only use where there is adequate ventilation. Avoid release to the environment. Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. If product is transferred to another container, ensure new container is suitable for the product. Wear personal protective equipment to avoid direct contact with this chemical. Use in temperature-controlled area. See advice on temperature in Conditions to Avoid (Section 10 Stability and Reactivity). Do NOT eat, drink or store food in work areas.

Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated. Engineering controls are usually required in the storage area to protect against the product's hazard(s). Review Section 8 (Exposure Controls/Personal Protection) for information. Store in the original, labelled, shipping container. Store in a closed container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Methylenediphenyl diisocyanate (mixed isomers)	0.005 ppm		0.2 ppm			
4,4'-Methylenediphenyl diisocyanate	0.051 mg/m3 **					

Appropriate Engineering Controls

Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

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Wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Brown.
Odour	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	> 100 °C (212 °F)
Flash Point	> 204.44 °C (399.99 °F) (open cup)
Evaporation Rate	> 1
Vapour Pressure	Not available
Vapour Density (air = 1)	> 1
Relative Density (water = 1)	1.15
Solubility	Insoluble in water
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Other Information	
Physical State	Liquid
Molecular Formula	Not available
Critical Temperature	Not available
Electrical Conductivity	Not available
Vapour Pressure at 50 deg C	Not available
Saturated Vapour Concentration	0%

SECTION 10. STABILITY AND REACTIVITY

Reactivity

No reactivity test data was located.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Water or humidity.

Conditions to Avoid

None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Methylenediphenyl diisocyanate (mixed isomers)	> 380 mg/m ³ (rat) (4-hour exposure) (aerosol)	> 2000 mg/m ³ (rat)	> 9400 mg/kg (rabbit)

Skin Corrosion/Irritation

There is limited evidence of moderate or severe irritation.

Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials.

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STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful based on information for closely related materials. A single exposure to a high concentration can cause a long-lasting condition like asthma. If this occurs, many things like other chemicals or cold temperatures can easily irritate the airways. Symptoms may include shortness of breath, tightness in the chest and wheezing. May cause respiratory tract irritation.

Skin Absorption

Can cause sensitization.

Ingestion

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Irritation of the respiratory system. Respiratory tract injury has been observed. Skin irritation.

Respiratory and/or Skin Sensitization

Respiratory sensitizer. May cause severe asthma-like symptoms (respiratory sensitization) based on information for closely related chemicals. Skin sensitizer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

May cause long term adverse effects in aquatic environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction. This product and its container must be disposed of as hazardous waste. Do NOT dump into any sewers, on the ground or into any body of water. Empty containers retain product residue. Follow label warnings even if container appears to be empty. Dispose of or recycle empty containers through an approved waste management facility.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Product is included on DSL(INVENTORY).

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 2	Flammability - 1	Instability - 1
SDS Prepared By	SOLHYDROC		
Phone No.	450-264-9799		
Date of Preparation	mai 18, 2016		
Date of Last Revision	mai 18, 2016		
Key to Abbreviations	ACGIH® = American Conference of Governmental Industrial Hygienists AIHA® = AIHA® Guideline Foundation. IARC = International Agency for Research on Cancer NIOSH = National Institute for Occupational Safety and Health OSHA = US Occupational Safety and Health Administration NTP = National Toxicology Program		
References	NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). CHEMINFO		

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database. Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

Disclaimer

We declare the information contained herein are correct. However, we decline all responsibility as to the exactness and the usage of the later.