

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

Product Identifier	SOLHYDFAST 5000 PART-A
Other Means of Identification	SOL-FAST-5000-A
Recommended Use	Quick setting cement repair.
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 Hres/ 7 Jours CANUTEC, 613-996-6666, 24HR/7Jours
SDS No.	0206

SECTION 2. HAZARD IDENTIFICATION

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

Classification

Skin irritation - Category 2; Eye irritation - Category 2B

Label Elements**Warning**

Causes skin and eye irritation.

Prevention:

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/eye protection/face protection.

Wash hands thoroughly after handling.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/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/attention.

Disposal:**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Castor oil	8001-79-4	<97	
1,4-Butanediol	110-63-4	<13	
Titanium dioxide	13463-67-7	<8	
Carbon black	1333-86-4	<3	

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SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

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. Apply artificial respiration if breathing has stopped seek medical attention avoid mouth-to-mouth contact by using a barrier device.

Skin Contact

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of water. If skin irritation or a rash occurs, get medical advice or attention. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

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. If conscious, give small amount of water to drink do NOT induce vomiting unless medically advised if vomiting is inevitable, prevent aspiration by keeping the victims head below the knee immediately call a Poison Centre or doctor. Specific treatment is required. Never give anything by mouth to unconscious person take off any tight items of clothing that may be confining.

Most Important Symptoms and Effects, Acute and Delayed

If on skin: may cause moderate to severe irritation. Contact can cause pain, redness, burns, and blistering. Permanent scarring can result. If in eyes: may cause serious eye damage. May irritate or burn the eyes. Permanent damage including blindness may result. Contact causes severe burns with redness, swelling, pain and blurred vision. Permanent damage including blindness can result. If inhaled and/or swallowed: can irritate the mouth, throat and stomach.

Immediate Medical Attention and Special Treatment

Target Organs

Digestive system, eyes, skin.

Special Instructions

Symptoms may not appear immediately.

Medical Conditions Aggravated by Exposure

May cause skin sensitization eye conditions, skin conditions.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agents compatible with product and suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Pressurized container: May burst if heated.

Very toxic carbon monoxide, carbon dioxide. metal oxides.

Special Protective Equipment and Precautions for Fire-fighters

Wear full Bunker gear and respiratory protection (SCBA) Approach fire from upwind to avoid hazardous vapours or gases. 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

Get expert advice. 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. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or

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move leaking container to a well-ventilated and secure area. Avoid generating dust.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

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 spilled product to prevent runoff. Dike and recover contaminated water for appropriate disposal. Absorb material with earth, sand or another non-combustible product. Do not touch the spilled product.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid breathing in this product. Avoid repeated or prolonged skin contact. Do not get in eyes. Do not swallow. Only use where there is adequate ventilation. Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system). Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Wear personal protective equipment to avoid direct contact with this chemical. Never reuse empty containers, even if they appear to be clean. Do NOT smoke in work areas. Do NOT eat, drink or store food in work areas. Remove contaminated clothing and protective equipment before entering eating areas or leaving work area.

Conditions for Safe Storage

Store in an area that is: cool, well-ventilated, dry, out of direct sunlight and away from heat and ignition sources, separate from incompatible materials (see Section 10: Stability and Reactivity).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
1,4-Butanediol	Not established		Not established			
Titanium dioxide	10 mg/m3 * A4		10 mg/m3			
Carbon black	3 mg/m3 A3		3.5 mg/m3			
Castor oil	Not established		Not established			

Appropriate Engineering Controls

Breathing Vapours must be avoided. General ventilation is usually adequate. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

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

Wear a NIOSH approved self-contained breathing apparatus (SCBA) or supplied air respirator. Concentrations greater than TLV can occur when MDI is used in a poorly ventilated area. In such cases, or whenever concentrations of MDI exceed the TLV, respiratory protection must be worn. A supplied air respirator or a positive pressure self-contained breathing apparatus is recommended. In situations where MDI is not sprayed or heated and a supplied air or self-contained apparatus is unavailable or its use impractical, at least an air purifying respirator equipped with an organic cartridge and a particulate filter must be worn. However, this should be permitted only for short periods of time (less than one hour) at relatively low concentrations (at or near the TLV). However, due to the poor warning

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properties of MDI, proper fit and timely replacement of filter elements must be insured. Observe OSHA Regulations for respirator usage (29 CFR Part 1910.134).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Grey.
Odour	Not available
pH	Not available
Initial Boiling Point/Range	> 100 °C (212 °F)
Flash Point	> 204.44 °C (399.99 °F) (open cup)
Vapour Pressure	Not available
Vapour Density (air = 1)	> 1
Relative Density (water = 1)	< 1
Solubility	Insoluble in water
Viscosity	Not available (dynamic)
Other Information	
Physical State	Liquid
Molecular Formula	Not available
Molecular Weight	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

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)
1,4-Butanediol		1525 mg/kg (rat)	< 5000 mg/kg (rat)
Titanium dioxide	> 6820 mg/m ³ (rat)	> 25000 mg/kg (rat)	10000 mg/kg (rabbit)
Carbon black	6700 mg/m ³ (rat) (4-hour exposure)		

Skin Corrosion/Irritation

Symptoms include slight redness and swelling. There is limited evidence of mild irritation.

Serious Eye Damage/Irritation

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

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

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No information was located.

Skin Absorption

No information was located.

Ingestion

No information was located.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Titanium dioxide	Group 2B	A4		
Carbon black	Group 2B	A3		

Conclusions cannot be drawn from the limited studies available.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

Conclusions cannot be drawn from the limited studies available.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

May cause long term adverse effects in aquatic environment.

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Titanium dioxide	> 10000 mg/L (Daphnia pulex (water flea); 48-hour; fresh water; static)			

Chronic Aquatic Toxicity

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
Titanium dioxide		35.9 mg/L (Daphnia magna (water flea); fresh water; static)		

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. Handle containers with care treat waste in an approved waste disposal facility. Bury in a licensed landfill according to federal, provincial/state, and local regulations. Empty containers retain product residue. Follow label warnings even if container appears to be empty.

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

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Safety, Health and Environmental Regulations

Product is included on DSL(INVENTORY).

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 2** **Flammability - 1**

SDS Prepared By SOLHYDROC

Phone No. 450-264-9799

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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
NTP = National Toxicology Program
OSHA = US Occupational Safety and Health Administration

References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from 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). HSDB® database. US National Library of Medicine. 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.

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