

SOLHYDFLEX C.R PART A**SECTION 1. IDENTIFICATION**

Product Identifier	SOLHYDFLEX C.R PART A
Other Means of Identification	SOL-FLEX-CR-A
Product Family	Epoxy RESIN-Part A
Recommended Use	Mix with hardener Part B of same material product to repair concrete. EPOXY RESIN FOR POLYMER C.R.FLOORING.
Restrictions on Use	Use with Part B (Hardener) of this product.
Manufacturer/Supplier Identifier	SOLHYDROC INC., 2909 Powerscourt, Athelstan, Québec, J0S 1A0, Marc Charlebois, 888-765-4937, www.solhydroc.com
Supplier Identifier	SOLHYDROC INC., 2909 Powerscourt, Athelstan, Québec, J0S 1A0, Marc Charlebois, 888-765-4937, www.solhydroc.com
Emergency Phone No.	Marc Charlebois, 514-705-7198, 24 Hres/ 7 Jours CANUTEC, 613-996-6666, 24HR/7Jours
SDS No.	0213

SECTION 2. HAZARD IDENTIFICATION

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

Classification

Acute toxicity (Oral) - Category 5; Acute toxicity (Dermal) - Category 5; Acute toxicity (Inhalation) - Category 5; Specific target organ toxicity (repeated exposure) - Category 2

Label Elements

Danger

Hazard Statement(s):

Causes skin irritation.

May be harmful if inhaled.

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

Causes eye irritation.

May cause cancer.

Precautionary Statement(s):

Prevention:

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

In case of inadequate ventilation wear respiratory protection (NIOSH approved air-purifying respirator with an organic vapour cartridge).

Wash hands thoroughly after handling.

Response:

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

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

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.

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

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Storage:
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

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

Other Hazards

May be a health hazard in confined spaces.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	25085-99-8	<33	
4-Nonylphenol	84852-15-3	<22	
Bisphenol A Polyglycidyl Ether Resin	25068-38-6	<18	
Alkyl Glycidyl Ether	68609-97-2	<17	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Seek medical attention asthmatic symptoms may develop, consult doctor if this occurs.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. If skin irritation or a rash occurs, get medical advice or attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Immediately call a Poison Centre or doctor and follow their advice.

Ingestion

Immediately call a Poison Centre or doctor. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Do NOT induce vomiting unless medically advised.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

If in eyes: symptoms include sore, red eyes, and tearing. Inflammation and cornea opacity if on skin: repeated or prolonged exposure can irritate the skin. May cause moderate to severe irritation. If inhaled: symptoms may include headache, nausea, dizziness, drowsiness and confusion. Can irritate the nose and throat. Respiratory sensitizer. May cause asthma or an asthma-like reaction in some people. If Swallowed, may cause bleeding in gastrointestinal tract. May vomit blood liquid causes severe damage to mucus membranes if swallowed.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, skin, respiratory system, digestive system.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

Eye conditions, respiratory conditions, asthma. May cause skin sensitization.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

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Use water to keep non-leaking, fire-exposed containers cool. Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

Not applicable.

Specific Hazards Arising from the Product

Closed containers may rupture violently when heated releasing contents. Dusts and aerosols at sufficient concentrations may exhibit explosive characteristics if ignited by static discharge or spark.

Special Protective Equipment and Precautions for Fire-fighters

Approach fire from upwind to avoid hazardous vapours or gases. Wear full Bunker gear and respiratory protection (SCBA) Self contained NIOSH approved breathing apparatus should be available for fire fighters.

Fire-fighters should enter area wearing specialized protective equipment. (Bunker Gear will not provide adequate protection.).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

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. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Keep spark producing equipment away from area avoid generating dust.

Environmental Precautions

If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Minimize the use of water to prevent environmental contamination.

Methods and Materials for Containment and Cleaning Up

Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Ventilate the area to prevent the gas from accumulating, especially in confined spaces. Large spills or leaks: remove or recover liquid using pumps or vacuum equipment. Review Section 13 (Disposal Considerations) of this safety data sheet.

Other Information

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

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Wear personal protective equipment to avoid direct contact with this chemical. Avoid generating vapours or mists. Wash hands thoroughly after handling this material. Use adequate ventilation and employ respiratory protection where dust or fumes may be generated keep only in original packaging. If product is transferred to another container, ensure new container is suitable for the product.

Conditions for Safe Storage

Store in an area that is: cool, ventilated. Comply with all applicable health and safety regulations, fire and building codes. Store away from heat and flame mix well before use.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

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

Individual Protection Measures

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Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible. Contact lenses should not be worn.

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. When ventilation is inadequate 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 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

Particle Size	Not applicable
Odour	Not available
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	Not applicable (melting); Not applicable (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.06
Solubility	Not available in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic)
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

See "Hazardous Decomposition Products".

Conditions to Avoid

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None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; very toxic, flammable aldehydes. various complex hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Eye contact; skin contact; inhalation; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
4-Nonylphenol		307 mg/kg (male mouse)	2040 mg/kg (rabbit)
Alkyl Glycidyl Ether		19.2 mg/L (rat)	
Bisphenol A Polyglycidyl Ether Resin	> 791 mg/m ³ (rat) (4-hour exposure) (dust)	30000 mg/kg (rat)	23500 mg/kg (rabbit)

LC50: Not applicable.

LD50 (oral): Not applicable.

LD50 (dermal): Not applicable.

Skin Corrosion/Irritation

May cause mild irritation based on information for closely related chemicals. Repeated or prolonged exposure can irritate or burn the skin.

Serious Eye Damage/Irritation

Symptoms include sore, red eyes, and tearing. May cause serious eye irritation based on information for closely related materials.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful nose and throat irritation.

Skin Absorption

May be harmful Symptoms may include redness, rash, swelling and itching.

Ingestion

No information was located.

Aspiration Hazard

Not known to be an aspiration hazard.

Respiratory and/or Skin Sensitization

Severe exposure can produce lung damage, choking, unconsciousness and death.

Carcinogenicity

No information was located.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

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May cause long lasting harmful effects to aquatic life, for the product itself.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

The preferred waste management options are: treat waste in an approved waste disposal facility. Dispose of contents and container in accordance with local, regional, national and international regulations. Do not reuse empty containers. Handle containers with care.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	3066	(4-Nonylphenol)	8	III

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) this product has been classified in accordance with hazard criteria of the Controlled products regulations and this SDS contains all information required by the Controlled Products Regulations.

Canada

WHMIS 1988 Classification



Class D2A; D2B

D2A - Very Toxic (Chronic toxicity); D2B - Toxic (Skin irritant; Eye irritant)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 1	Flammability - 1
SDS Prepared By	SOLHYDROC	
Phone No.	450-264-9799	
Date of Preparation	mai 18, 2016	
Date of Last Revision	juin 30, 2016	
Key to Abbreviations	NIOSH = National Institute for Occupational Safety and Health	

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References

OSHA = US Occupational Safety and Health Administration
IARC = International Agency for Research on Cancer
ACGIH® = American Conference of Governmental Industrial Hygienists
CHEMINFO database. 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.