



SOLHYDWELD LOW PRESSURE PART B

SECTION 1: IDENTIFICATION

| | |
|---|---|
| Product identifier | SOLHYDWELD LOW PRESSURE PART B |
| Other means of identification | SOL-WELD-LOW-B |
| Recommended use | Epoxy Resin for Injection Hardeners. |
| Manufacturer/Supplier Identifier | BMQ SOLUTIONS, 1522 Boulevard des Laurentides, Laval, Qc, H7M 2N7, Marc Charlebois, 877-267-7249, www.lafarge.ca/en/bmq-solutions |
| Supplier identifier | BMQ SOLUTIONS, 1522 Boulevard des Laurentides, Laval, Qc, H7M 2N7, Marc Charlebois, 877-267-7249, www.lafarge.ca/en/bmq-solutions Marc Charlebois, 514-705-7198, 24 Hours / 7 Days CANUTEC, 613-996-6666, |
| Emergency telephone number | 24HR/7Days 0262 |
| SDS number | |

SECTION 2: HAZARDS IDENTIFICATION

Classified according to the Canadian Hazardous Products Regulations (WMIS 2015). **Label elements**



Signal word: Danger Hazard

statement(s): Fatal if swallowed or inhaled.

Toxic by skin contact.

Corrosive to the respiratory tract.

May be fatal if swallowed and enters airways.

Causes severe skin burns and eye damage.

May cause a skin allergy.

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

May irritate the respiratory tract.

Toxic to aquatic organisms.

Precautionary advice(s):

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - NO SMOKING.

Keep the container tightly closed.

Keep cool. Protect from solar radiation.

Do not incinerate containers. Do not

breathe dust/fumes/gas/mist/vapours/spray. Avoid contact with eyes, skin or clothing.

Wash hands and skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Intervention:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF SWALLOWED: Call a Poison Control Center/doctor immediately. IF ON SKIN (or hair): Remove contaminated clothing immediately. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep in a position where they can breathe comfortably.

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Date of preparation July 1, 2016 Call a Poison Control Center/doctor immediately/ Call a Poison Control Center or doctor immediately if you feel unwell. Eliminate all sources of ignition if safe to do so.

Absorb any spilled substance to prevent it from attacking surrounding materials.

IF INHALED: Remove person to fresh air and keep in a position where they can breathe comfortably.

IF INHALED: Call a Poison Control Center/doctor/if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if the victim wears them and they can be easily removed. Continue rinsing.

Call a Poison Control Center/doctor immediately/ Call a Poison Control Center or doctor immediately if you feel unwell. Eliminate all sources of ignition if safe to do so.

Absorb any spilled substance to prevent it from attacking surrounding materials.

Storage :

Store in accordance with local, regional, national and international regulations.

Store in a well-ventilated area. Keep the container tightly closed.

Disposal:

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Blend:

| Chemical name | CAS number | % | Other identifiers |
|--|------------|-----|-------------------|
| Poly(oxy(methyl-1,2-ethanediyl)), alpha-(2-aminomethylethyl)-omega-(2-aminomethylethoxy)- | 9046-10-0 | >73 | |
| Bisphenol A | 80-05-7 | >9 | |
| n-Nonylphenol (mixed isomers) | 25154-52-3 | >9 | |
| Alkyl Glycidyl Ether | 68609-97-2 | >9 | |

SECTION 4: FIRST AID

First aid measures

Inhalation

Remove to fresh air. Keep at rest in a comfortable position for breathing. Seek medical attention if you feel unwell or are concerned.

Skin contact

Immediately
remove contaminated clothing, shoes and contaminated leather items (e.g. watch straps, belts). Rinse gently and thoroughly with lukewarm water and mild soap for 5 minutes. Thoroughly wash clothing, shoes and leather items before reuse or dispose of them safely. If exposure is known or suspected, call a Poison Control Center or doctor.

Eye contact

Rinse cautiously
with water for several minutes. Remove contact lenses if the victim wears them and they can be easily removed. Continue rinsing. If eye irritation persists, seek medical advice or consult a doctor.

Ingestion

Have several glasses of water drink, if conscious DO NOT INDUCE VOMITING never give liquid to an unconscious person. If exposure is known or suspected, call a Poison Control Center or doctor.

Most important symptoms and effects, whether acute or delayed

If inhaled
and/or if swallowed: may cause serious irritation to the nose and throat. May cause lung damage. Symptoms may include cough, shortness of breath, difficulty breathing, and chest tightness. Respiratory sensitizer. May cause asthma or asthma-like reaction in some people. In severe cases, can cause death. In case of skin contact: may cause moderate to severe irritation. In case of eye contact: may cause moderate to severe irritation.

Immediate medical attention or special treatment

Target organs

Eyes, digestive system, lungs, respiratory system, skin.

Health problems aggravated by exposure to the product

Asthma, dermatitis, respiratory disorders, skin allergies, skin disorders.

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SECTION 5: MEASURES TO TAKE IN CASE OF FIRE

Extinguishing Media

Suitable Extinguishing Media Carbon

dioxide, dry chemical powder, suitable extinguishing foam, water spray or water mist.

Specific product hazards May include but

not limited to Corrosive and oxidizing nitrogen oxides. **Personal protective equipment and precautions for firefighters** Use Bunker gear and respiratory protection (SCBA).

Firefighters may enter the area if they are wearing a positive pressure SCBA and full turnout gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency measures Evacuate the area

immediately. Isolate the danger zone. Do not allow unnecessary or unprotected personnel to enter. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Eliminate all sources of ignition. Use grounded and explosion-proof equipment. Remaining product may be absorbed by clay, diatomaceous earth or other absorbent and shoveled into appropriate disposal containers.

Environmental precautions

Prevent entry into sewers, soil, or watercourses.

Methods and materials for containment and cleaning up Do not use

absorbents. Contain spill with non-combustible materials such as vermiculite, earth or sand. Wear suitable protective equipment Store the recovered product in appropriate containers with the following characteristics: tightly sealed.

SECTION 7: HANDLING AND STORAGE

Safety Precautions for Handling Do not inhale this product. Avoid repeated or

prolonged skin contact. Avoid contact with eyes, skin or clothing. Use only where ventilation is adequate. Avoid producing steam or mists.

Seek medical advice or consult a doctor after any exposure. Symptoms may be delayed. Eliminate heat and sources of ignition such as sparks, open flames, hot surfaces and static electricity discharges. Install "No Smoking" posters. Avoid ALL unprotected contact with this product or with contaminated equipment and surfaces. Keep containers tightly closed if unused or empty. DO NOT smoke in the workplace. DO NOT eat, drink or store food in the workplace.

Wash hands thoroughly after handling this product and before eating, using the toilet, or leaving the work area. Wash clothing, shoes and leather items thoroughly before reusing them or disposing of them safely. Keep contaminated clothing in closed containers.

Safe storage conditions Store in an area with the following

characteristics: cool, dry, well ventilated. Store in the original labeled shipping container. Do not store near acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Settings

| Chemical name | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|-------------------------------|-----------------|------|-----------------|---------|-----------|-----|
| | TWA | STEL | TWA | Ceiling | 8-hr TWA | TWA |
| n-Nonylphenol (mixed isomers) | Not established | | Not established | | | |

Appropriate Engineering Controls Use an

enclosure with local exhaust ventilation, where applicable, to control the amount of product in the air. Provide eyewash and emergency shower if there is risk of contact or splashing.

Individual protection measures

Eye and face protection Wear chemical

goggles and face shield if contact is possible.

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Eye and face protection

Wear chemical goggles and face shield if contact is possible.

Skin protection

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

Respiratory protection

When ventilation is inadequate wear a NIOSH approved air-purifying respirator and equipped with a cartridge against organic vapors.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Basic physical and chemical properties

Amber **appearance** . Particle size: Not available

Odor Ammonia-like

Olfactory threshold Not available

pH Not available

Melting Point/Cooling Point Not available (merge); Not available (freezing)

freezing

Initial boiling point and boiling area Not available

Flash point > 100 °C (212 °F) (in a closed vessel)

Evaporation rate Not available

Flammability (solids and gases) Not available

Upper/lower limits Not available (superior); Not available (lower)

Flammability or

Explosibility

Vapor pressure Not available

Vapor density Not available

Relative density (water = 1) 1

Solubility Dispersible in water; Not available (in other liquids)

Sharing coefficient n-octanol/water Not available

Auto-ignition temperature Not available

Decomposition temperature Not available

Viscosity Not available (cinematic); Not available (dynamic)

Other information

Physical state Liquid

Molecular formula Not available

Molecular weight Not available

Bulk density Not available

Surface tension Not available

Critical temperature Not available

Electrical conductivity Not available

Vapor pressure at 50°C Not available

Concentration of vapors at saturation Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Unknown.

Chemical stability

Usually stable.

Risk of hazardous reactions

Unknown.

Conditions to avoid

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Conditions to avoid

Unknown.

Incompatible materials

Unknown.

Hazardous decomposition products Very toxic

carbon monoxide and carbon dioxide; nitrogen oxides.

SECTION 11: TOXICOLOGICAL DATA**Acute toxicity**

| Chemical name | CL50 | LD50 (oral) | LD50 (cutaneous) |
|--|-------------------|------------------|---------------------|
| Poly(oxy(methyl-1, 2-ethanediyl)), alpha-(2-aminomethylethyl)-omega-(2-aminomethylethoxy)- | | 242 mg/kg (rat) | 360 mg/kg (rabbit) |
| Bisphenol A | > 255 mg/m3 (rat) | 3300 mg/kg (rat) | 3600 mg/kg (rabbit) |
| n-Nonylphenol (mixed isomers) | | 1540 mg/kg (rat) | |
| Alkyl Glycidyl Ether | | 19.2 mg/L (rat) | |

Skin Corrosion/Irritation

May cause moderate to severe irritation based on information for very similar materials. May burn skin. May cause permanent scarring. May cause skin sensitization by skin contact.

Serious Eye Damage/Eye Irritation Contact causes

severe burns with redness, swelling, pain and blurred vision. Permanent damage, including blindness, could result. May cause corneal damage or blindness.

Specific Target Organ Toxicity - Single Exposure**Inhalation**

May cause respiratory tract irritation. Symptoms may include cough, shortness of breath, difficulty breathing, and chest tightness. Symptoms of shortness of breath, fever, cough and weight loss, could cause death.

Skin absorption May cause

thermal burns. Symptoms may include redness, rash, swelling and itching. Repeated exposure may cause skin breakdown or dermatitis. May cause sensitization.

Ingestion

May cause irritation or severe burns to mouth, throat and stomach. May cause lung damage, nausea, dizziness and death.

Specific target organ toxicity - Repeated exposure May cause skin irritation

and respiratory tract irritation. May cause respiratory tract damage, chronic bronchitis (inflammation of the airways leading to the lungs) if dust is inhaled, dermatitis. Symptoms may include dry, reddish, cracked skin (dermatitis).

Respiratory or skin sensitization Respiratory

sensitizer. May cause an allergic reaction (skin sensitization) based on limited evidence. May cause serious asthma-like symptoms (airway sensitization) based on information for very similar chemicals. Severe exposure can cause lung damage, suffocation, unconsciousness and death.

SECTION 12: ECOLOGICAL DATA Ecotoxicity

May cause long-term adverse effects in the aquatic environment.

Acute hazards for the aquatic environment Product identifier: SOLHYDWELD LOW PRESSURE PART B

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Acute hazards for the aquatic environment

| Chemical name | LC50 for fish 4-5.5 mg/ | EC50 for shellfish | CEr50 for aquatic plants | CEr50 for algae |
|---------------|---|--------------------|--------------------------|-----------------|
| Bisphenol A | L (Pimephales promelas (fathead minnow); 96 hours) | | | |

Long-term dangers for the aquatic environment

| Chemical name | NOEC for fish 3.64 mg/ | EC50 for fish | NOEC for shellfish | EC50 for shellfish |
|---------------|---|---------------|--------------------|--------------------|
| Bisphenol A | L (Oncorhynchus mykiss (rainbow trout); 28 days) | | | |

SECTION 13: DISPOSAL DATA**Elimination methods**

Dispose of contents and container in accordance with local, regional, national and international regulations. Don't burn.

SECTION 14: TRANSPORT INFORMATION

| Regulation | UN number | Proper shipping name | Class(es) of group relating to transport | Hazard packaging for |
|-------------------|-----------|------------------------------|--|----------------------|
| Canadian TDG 2735 | | Amines, Liquid.corrosive NOS | 8 | II |

Special precautions Not applicable

Carriage in bulk under Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations The product is included on DSL (INVENTORY).

SECTION 16: OTHER INFORMATION

SDS prepared by BMQ SOLUTIONS

Phone number 877-276-7249

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Meaning of abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists IARC = International Agency for Research on Cancer NFPA = National Fire Prevention

Association NIOSH = National Institute for Occupational Safety and Health OSHA = United States Occupational Safety and Health Administration NTP = National Toxicology Program Base data CHEMINFO. Canadian Center for Occupational Health and Safety (CCOHS).

References

NIOSH Pocket Guide Database. National Institute for Occupational Safety and Health. Accessible through the Canadian Center for Occupational Health and Safety (CCOHS).

Notice

We believe the above information to be accurate. However, we decline all responsibility for the reliability and use of these

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