

RBM HOLDWASH-CR

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

- 1.1 Product Identifier**
Product Name: **RBM HoldWash-CR**
Chemical Family: **Proprietary Complex Mixture/Preparation**
CAS Number: **N/Ap**
- 1.2 Relevant Identified Uses**
Product Intended Uses: **Cement Remover**
- 1.3 Supplier Details**
Name & Address: **RBM HoldSolutions
#105 – 3438 195th Street
Surrey, BC V3Z 1A5**
- 1.4 Emergency Telephone:** **+1 604 531 8333**
Information: **+1 604 531 8333**
SDS Contact: rbm@holdsolutions.com

SECTION 2: HAZARD IDENTIFICATION

- 2.1 Substance/Mixture Classification**
Hazard Classification: **Acute Toxicity – Oral (Category 4)
Skin Corrosion/Irritation (Category 2)
Serious Damage/ Eye Irritation (Category 1)**

2.2 Label Elements

Hazard Pictogram(s):



Signal Word: **DANGER**
Hazard Statement(s): **Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.**

Precautionary Statement(s)

Prevention: **If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Do not handle until all safety precautions have been read and understood.
Wash hands thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Wear protective gloves, eye, and face protection.
Keep container tightly closed.**

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Response: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
IF ON SKIN: Wash with plenty of water.
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.
Absorb spillage to prevent material damage.

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

Disposal: Dispose content/container to appropriate treatment and disposal plan in accordance with applicable laws and regulation, and product characteristic at time of disposal.

2.3 Other Hazards

Other Hazard Classification: No hazards known.

SECTION 3: COMPOSITION/INGREDIENT INFORMATION

3.1 Substances

Ingredient(s)	W/W%	CAS No.
Organic Oxoacid	*Proprietary	*Proprietary
Organic Oxoacid #2	*Proprietary	*Proprietary
Organic Acid	*Proprietary	*Proprietary
Polyglycoside	*Proprietary	*Proprietary
Organic Urea Acid	*Proprietary	*Proprietary
Organo Phosphonic Acid	*Proprietary	*Proprietary

* This product has been granted exemption on 2021-11-15. HMIRA RN: 03431025

SECTION 4: FIRST-AID MEASURES

4.1 Description of First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not rub eyes.
Immediately flush with warm running water, holding the eyelids apart and occasionally lifting the upper and lower eyelids, for 15 minutes. Call a physician if irritation develops.

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Skin Contact: Remove contaminated clothing and shoes, wash before reuse. Wash affected skin with soap and water or use a recognized skin cleanser. See physician if irritation develops.

Inhalation: Rinse mouths with water and drink plenty of water. Do NOT induce vomiting. Consult physician if symptoms develop or persist.

Ingestion: Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.

First Aid Protection: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most Important Symptoms & Effects (Acute and Delayed)

Eye Contact: May cause eye burns.

Skin Contact: Causes skin irritation.

Inhalation: May cause respiratory irritation.

Ingestion: No specific data.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Physician Notes: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific Treatments: No specific treatment.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Media: Extinguish preferably with water fog, foam, dry chemical powder, or carbon dioxide (CO₂).

Unsuitable Media: No specific data.

5.2 Special Hazards from Substance/Mixture

Hazards from Substance: No specific data.

Hazardous Combustion Products: No specific data.

5.3 Advice for Firefighters

Special Protective Actions: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special Protective Equipment: No specific data.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Non-emergency Personnel: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Where appropriate protective equipment and clothing during clean-up. Do not touch damaged

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container or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Emergency Responders: Use personnel protection recommended in Section 8 to deal with the spillage. See also the information in “Non-emergency Personnel”.

6.2 Environmental Precautions

Environmental Precautions: Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and Materials of Containment and Cleanup

Small Spill: Use appropriate tools to wipe up the product. Rinse contaminated area with water.

Large Spill: Stop the leak if possible. Ventilate the area involved. Block release of chemical from sewer or storm drains. Contain and clean-up the spill. Observe all personal protection equipment recommendations. Ensure personal protection during removal of spillages. Local authority should be advised if significant spill cannot be contained.

6.4 Reference to Other Sections

Additional Sections: See Section 7 for handling and storage information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for Safe Handling

Protective Measures: Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. Provide adequate ventilation. Where appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid released to the environment. Do not empty into drains. Do not eat and drink in work area. Wash hands after using.

General Occupational Hygiene Advice: Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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7.2 Conditions for Safe Storage and Incompatibilities

Safe Storage: Store in cool, well-ventilated dry area. Do not store and transport with oxidizers and strong bases etc. Keep container closed when not in use. Do NOT store in metal container, especially aluminum. Product is not compatible with aluminum.

Incompatibilities: Strong oxidizing agents, strong bases.

7.3 Specific End Use(s)

Recommendations: When product is used in confined space, the use of proper ventilation is required.

Industrial Sector Specific Solutions: Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control Parameters

Occupational Exposure Limits:

Ingredient	Exposure Limit
Organic Oxoacid	ACGIH TWA 5 ppm
	ACGIH STEL 10 ppm
	SG OEL TWA 5 ppm 9.4 mg/m3
	SG OEL STEL 10 ppm 19 mg/m3

Recommended

Monitoring Procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

8.2 Exposure Controls

Engineering Controls: Guarantee sufficient ventilation during and after use, to prevent vapor accumulation.

Individual Protection Measures

Hygiene Measures: Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: **safety glasses with side-shields or goggles.**

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Skin Protection

Protective Handwear:	Chemical-resistant, impervious gloves recommended to prevent drying of hands. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body Protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other Skin Protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory Protection:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Environmental Exposure Controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance

Physical State:	Liquid		
Color:	Clear	Vapor Pressure:	N/Ap
Odor:	Mild	Vapor Density (air = 1):	N/Av
Odor Threshold:	N/E	Relative Density:	1.084
pH Factor:	< 1	Solubility(ies):	N/Av
Melting/Freezing Point:	< -30°C (< -22°F)	Partition Coefficient:	N/Av
Boiling Point (°C):	N/E	Auto-ignition Temperature:	N/E
Flash Point:	N/Ap	Decomposition Temp.:	N/Av
Evaporation Rate:	N/E	Viscosity:	N/E
Flammability:	N/Av	Explosive Properties:	N/E
Explosive Limits:	None	Oxidizing Properties:	None

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9.2 Other Information

Solubility in Water: Soluble
Pour Point: N/Av

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** The product is stable and non-reactive under normal conditions of use, storage, and transport.
- 10.2 Chemical Stability:** Stable under normal conditions.
- 10.3 Possibility of Hazardous Reactions:** Reactive with alkalis hypochlorite, ammonia, nitrate salt. React with oxidizing agents.
- 10.4 Conditions to Avoid:** Avoid high temperatures. Contact with incompatible materials.
- 10.5 Incompatible Materials:** Oxidizing agents, strong bases, aluminum.
- 10.6 Hazardous Decomposition Product(s):** None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Toxicological Effects Information

<u>Acute Toxicity</u>	Inhalation	LC50 (Rat)	7.1 mg/m3, 4h
	Oral	LD50 (Rat)	1950 mg/kg

Conclusion/Summary: **Organic Oxoacid #2** Specific Target Organ Toxicity – Single Exposure

Irritation/Corrosion

Skin: Irritant to skin.
Eyes: Irritant to eyes.

Sensitization

Conclusion/Summary: Is not a skin sensitizer.

Mutagenicity

Conclusion/Summary: No adverse mutagenic effects are anticipated.

Carcinogenicity

Conclusion/Summary: The ingredients of this product are not classed as carcinogenic by ACGIH, IARC, OSHA.

Reproductive Toxicity

Conclusion/Summary: No adverse reproductive effects are anticipated.

Teratogenicity

Conclusion/Summary: No adverse teratogenic effects are anticipated.

Specific Target Organ Toxicity – Repeated Exposure

Conclusion/Summary: Not available.

Aspiration Hazard

Conclusion/Summary: Not available.

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Potential Acute Health Effects

Eye Contact: Cause eye irritation.
Inhalation: Prolonged inhalation may be harmful.
Skin Contact: Causes skin irritation. Ingestion: No specific data.

Physical, Chemical and toxicological Symptoms

Eye Contact: No specific data.
Inhalation: No specific data.
Skin Contact: No specific data.
Ingestion: No specific data.

Delayed and Immediate Effects and Chronic Effects from Short and Long-Term Exposure

Short Term Exposure

Potential Immediate Effects: Not available.
Potential Delayed Effects: Not available
Other information: Not available

SECTION 12: ECOLOGICAL INFORMATION

- | | |
|--|---|
| 12.1 Ecotoxicity: | 48-hour LC50 (Daphnia Magna) = 141 ppm
96-hour LC50 (Rainbow Trout) = 164ppm |
| 12.2 Persistence & Degradability: | Raw materials of this product are readily biodegradable. |
| 12.3 Bioaccumulative Potential: | Not Available. |
| 12.4 Mobility in Soil: | Not Available. |
| 12.5 PBT and vPvB Assessment: | No data. |
| 12.6 Other Adverse Effects: | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

SECTION 13: DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste Treatment

Product

Disposal Methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

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Hazardous Waste: The waste code should be assigned in discussion between the user comma the producer and the waste disposal company.

Residual/Unused Waste: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material on its container must be disposed of in a safe manner.

Packaging

Disposal Methods: Empty container should be taken to an approved waste handling site for recycling or disposal period since empty containers may retain product residue, follow label warnings even after container is empty.

Special Precautions: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

The provided transportation classifications are for bulk shipments only and may not be representative of all package/shipment sizes.

		ADR	DOT	TDG	IMO/IMDG	ICAO/IATA
14.1	UN Number	UN 1760	UN 1760	UN 1760	UN 1760	UN 1760
14.2	UN Shipping Name	Corrosive Liquid, N.O.S. (Contains Organic Oxoacid)	Corrosive Liquid, N.O.S. (Contains Organic Oxoacid)	Corrosive Liquid, N.O.S. (Contains Organic Oxoacid)	Corrosive Liquid, N.O.S. (Contains Organic Oxoacid)	Corrosive Liquid, N.O.S. (Contains Organic Oxoacid)
14.3	Transport Hazard Class(es)	8	8	8	8	8
14.4	Packaging Group	III	III	III	III	III
14.5	Environmental Hazards	No	No	No	No	No

Note: This material is only corrosive to Aluminum.

14.6 Special User Precautions: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Bulk Transportation: **According to Annex II of Marpol and the IBC Code:** Not available.

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health & Environmental Regulations/Legislation

US Federal Regulations

This product contains materials that are “hazardous chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1010.1200 (Hazcome 2012).

USA TSCA United State Substances Control Act Section 8 (B) Inventory

SARA TITLE III

Sec. 302. 40 CFR 355: No extremely hazardous substances are present in this material.

Sec. 313. 40 CFR 372: No extremely hazardous substances are present in this material.

Sec. 311 and 312. 40 CFR 370 SDS Requirements. Hazardous Classes: Immediate acute health hazard.

Other Federal Regulations

Clean Air Act (CAA): Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.
Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Clean Water Act (CWA): None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

US State Right to Know Law: Organic Oxoacid #2 is not listed on any of State Hazardous Substance Inventories, Right-to-know list and /or Air Quality/Air Pollutants list.

International Inventories

Canada: All components of this product comply with the inventory requirements administrated by the *Domestic Substances List (DSL)*.

China: Inventory of Existing Chemical Substances in China (IECSC): All components of this product comply with the inventory requirements .

Europe: This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC, and subsequent Directives. See Section 2 for Details.

European Union: European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.

Japan: Inventory of Existing and New Chemical Substances (ENCS): All components of this product comply with the inventory requirements.

Korea: Existing Chemicals List (ECL): All components of this product comply with the inventory requirements.

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Philippines: Philippine Inventory of Chemicals and Chemical Substances (PICCS): All components of this product comply with the inventory requirements.

United States & Puerto Rico: Toxic Substances Control Act (TSCA) Inventory: All components of this product comply with the inventory requirements.

Canada Regulatory Information: **WHMIS Classification:** The product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all the information required by the CPR.

15.2 Chemical Safety Assessment: No chemical safety assessment has been carried out for mixture by the supplier.

SECTION 16: OTHER INFORMATION

Abbreviations and Acronyms

ATE:	Acute Toxicity Estimate
CLP:	Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL:	Derived Minimal Effect Level
DNEL:	Derived No Effect Level
EUH Statement:	CLP-specific Hazard statement
PBT:	Persistent, Bioaccumulative and Toxic
PNEC:	Predicted No Effect Concentration
RRN:	REACH Registration Number
vPvB:	Very Persistent and Very Bioaccumulative

Procedure Used to Derive the Classification According to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Acute Toxicity – Oral (Category 4)	On basis of test data.
Skin Corrosion/Irritation (Category 2)	On basis of test data.
Eye Irritation/Damage (Category 1A)	On basis of test data.

Date of Issue/Revision: December 5, 2025
Replaces: N/A
Prepared By: RBM HoldSolutions

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

<< N/E = Not established N/AP = Not Applicable N/AV = Not Available C.O.C = Cleveland Open Cup >>