

RBM BILGECOAT

MATERIAL SAFETY DATA SHEET

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

1.1 Product Identifier Product Name: RBM BilgeCoat Chemical Family: Proprietary Mixture CAS Number: Not Applicable	1.3 Supplier Details Name & Address: RBM HoldSolutions #105 – 3438 195 th Street Surrey, BC V3Z 1A5
1.2 Relevant Identified Uses Product Intended Uses: Caustic Wash	1.4 Emergency Telephone: Information: SDS Contact: +1 (604) 531-8333 +1 (604) 531-8333 rbm@holdsolutions.com

SECTION 2 – HAZARD IDENTIFICATION

2.1 Substance/Mixture Classification

Hazard Classification: Skin corrosion/irritation (Category 2)
 Serious eye damage/eye irritation (Category 2A)

2.2 Label Elements

Hazard Pictogram(s):



Signal Word:

WARNING

Hazard Statement(s):

H315: Causes skin irritation.
 H319: Causes serious eye irritation.

Precautionary Statement(s)

Prevention:

P264+P265: Wash hands thoroughly after handling. Do not touch eyes.
 P280: Wear protective gloves, protective clothing and eye protection.

Response:

P302+P352: IF ON SKIN: Wash with plenty of water.
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333 + P317: If skin irritation occurs: Get medical help.
 P337+P317: If eye irritation persists: Get medical help.
 P362+P364: Take off contaminated clothing and wash it before re-use.

Storage:

Not required.

Disposal:

P501: Dispose of contents/ container to an approved waste disposal plant.

2.3 Other Hazards

Other Hazard Classification: None known.

SECTION 3: COMPOSITION/INGREDIENT INFORMATION

3.1 Substances

Ingredient Name	CAS #	% W/W
Sodium Hydroxide Solution	1310-73-2	1 – 5
2-Hydroxyphosphonocarboxylic Acid	23783-26-8	0.1 – 1
Acid Yellow 36	587-98-4	< 0.1

Exact concentration withheld as a trade secret.

SECTION 4 – FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye Contact:

Remove any contact lenses. Do not rub eyes. Immediately flush with lukewarm water holding the eyelids apart, for 15 minutes. Call a physician if irritation develops.

Skin Contact:

Remove contaminated clothing. Immediately wash the exposed areas with copious amounts of water for 15 minutes. See physician if irritation develops.

Inhalation:

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

Ingestion:

Rinse mouth with water and drink 1 glass of water. Never give anything by mouth to an unconscious or convulsing person. Do not induce vomiting. Contact physician.

4.2 Most Important Symptoms & Effects (Acute and Delayed)

Eye Contact:

Skin Contact:

The most important known symptoms and effects are described in the labelling, (section 2.2) and/or Section 11.

Inhalation:

Ingestion:

RBM BILGECOAT - MATERIAL SAFETY DATA SHEET**SECTION 5 – FIRE FIGHTING MEASURES****5.1 Extinguishing Media**

Suitable Media: This is a water-borne product. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable Media: Water jets are not recommended for fires involving chemicals.

5.2 Special Hazards from Substance/Mixture

Hazards from substance: None known.

5.3 Advice for Firefighters

Special Protective Actions: Use standard firefighting procedures and consider the hazards of other involved materials.

Special Protective Equipment: Self-contained breathing apparatus & full protective clothing must be worn in case of fire.

SECTION 6 – ACCIDENTAL RELEASE MEASURES**6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

Non-emergency Personnel: Wear appropriate personal protective equipment. Do not breath in vapors, fumes or mists.

6.2 Environmental Precautions

Environmental Precautions: Do not allow product enter drain.

6.3 Methods and Materials of Containment and Cleanup

Large & Small Spills: Rinse contaminated area with water or absorb with an inert dry material and place in an appropriate waste disposal container. Product can be neutralized with weak acids.
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 authorities should be advised if significant spill cannot be contained.

6.4 Reference to Other Sections

Additional Sections: See section 8.

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: Provide adequate ventilation. Do not get this material in contact with eyes. Avoid contact with skin. Avoid contact with clothing. Do not taste or swallow. Wear appropriate personal protective equipment. Wash contaminated clothing before reuse. Avoid release to the environment.

General Occupational Hygiene Advice: Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for Safe Storage and Incompatibilities

Safe Storage: Store in a well-ventilated place. Keep container tightly closed. Incompatibilities: Oxidizing agents, strong acids or reducing agents.

7.3 Specific End Use(s)

Recommendations: Ensure that all local regulations regarding handling and storage facilities are followed.

SECTION 8 – EXPOSURE CONTROLS AND 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: Sodium Hydroxide: ACGIH TLV-C: 2 mg/m³

8.2 Exposure Controls

Engineering Controls: Ensure sufficient ventilation during and after use in order to prevent vapor accumulation.

Individual Protection Measures

Eye/Face Protection: Wear safety glasses when handling this product.

Skin Protection

Protective Handwear: Wear chemical resistant gloves with materials such as PVC, nitrile, butyl rubber, neoprene, etc.

Body Protection: Wear protective chemically resistant clothing.

Other Skin Protection: None required.

Respiratory Protection: Not required under normal use conditions. Keep work areas well ventilated. If ventilation is inadequate wear a NIOSH approved respirator.

Environmental Exposure Controls: Do not allow into open waterways and ground water systems.

RBM BILGECOAT - MATERIAL SAFETY DATA SHEET**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on Basic Physical and Chemical Properties**Appearance

Physical State:	Liquid	Vapor Pressure:	Not available
Color:	Light Green	Vapor Density (air = 1):	Not available
Odor:	Mild	Relative Density:	Not available
Odor Threshold:	Not available	Density:	1.004 at 20 °C
pH Factor:	11.15	Solubility(ies):	Not available
Melting/Freezing Point:	0 °C	Partition Coefficient:	Not available
Boiling Point (oC):	Not available	Auto-ignition Temperature:	Not available
Flash Point:	Not applicable	Decomposition Temp.:	Not available
Evaporation Rate:	Not available	Viscosity:	Not available
Flammability:	Not available	Explosive Properties:	Not available
Explosive Limits:	Not available	Oxidizing Properties:	Not available

9.2 Other Information

Solubility in Water:	Not available
Pour Point:	Not available

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity:	Keep away from strong oxidizing agents, strong acids or reducing agents.
10.2 Chemical Stability:	Stable under normal conditions.
10.3 Possibility of Hazardous Reactions:	May be highly reactive with strong oxidizing agents, strong acids or reducing agents.
10.4 Conditions to Avoid:	Avoid contact with incompatible materials.
10.5 Incompatible Materials:	Acids, monoammonium phosphate, sodium-potassium alloy, 2-furaldehyde.
10.6 Hazardous Decomposition Product(s):	Hydrogen

SECTION 11 – TOXICOLOGICAL INFORMATION**11.1 Toxicological Effects Information**Acute Toxicity

Acute Inhalation Toxicity:	Not classified based on available information.
Acute Dermal Toxicity:	Not classified based on available information.

Irritation/Corrosion

Skin:	Causes skin irritation.
Eyes:	Causes serious eye irritation.

Sensitization

Conclusion/Summary:	Not classified based on available information.
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Mutagenicity

Conclusion/Summary:	Not classified based on available information.
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Carcinogenicity

Conclusion/Summary:	Not classified based on available information.
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Reproductive Toxicity

Conclusion/Summary:	Not classified based on available information.
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Teratogenicity

Conclusion/Summary:	Not classified based on available information.
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Specific Target Organ Toxicity – Single Exposure

Conclusion/Summary:	Not classified based on available information.
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Specific Target Organ Toxicity – Repeated Exposure

Conclusion/Summary:	Not classified based on available information.
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Aspiration Hazard

Conclusion/Summary:	Not classified based on available information.
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SECTION 12 – ECOLOGICAL INFORMATION

12.1 Ecotoxicity:	Not expected to be toxic to aquatic life.
12.2 Persistence & Degradability:	The domestic substance list categorizes sodium hydroxide as persistent.
12.3 Bioaccumulative Potential:	The domestic substance list categorizes sodium hydroxide as non-bioaccumulative.
12.4 Mobility in Soil:	No data available.
12.5 PBT and vPvB Assessment:	No data available.
12.6 Other Adverse Effects:	No data available.

RBM BILGECOAT - MATERIAL SAFETY DATA SHEET**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 TreatmentProduct

Disposal Methods: Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14 – TRANSPORT INFORMATION

- 14.1 TDG:** Not regulated.
14.2 ADR: Not regulated.
14.3 DOT: Not regulated.
14.4 IMO/IMDG: Not regulated.
14.5 ICAO/IATA: Not regulated.
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: Transportation in bulk accordance to Annex II of Marpol 73/78 and IBC Code.

SECTION 15 – REGULATORY INFORMATION**15.1 Safety, Health & Environmental Regulations/Legislation****Federal Regulations****SARA Title III Sec. 313****Clear Water Act****US State Right to Know Law****EU Regulations:****International Inventories****Chemical Safety Assessment**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all information required by the HPR.
40 CFR 372 This substance contains no materials subject to the reporting requirements of SARA (III) Section 313.
None of the ingredients are listed as Hazardous, Priority Pollutants or toxic pollutants. Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986: This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels under which would be subject to the proposition. State: None of the ingredients are present on state list from CA, PA, MN, MA, FL, NJ.
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.
Canada DSL/NDSL: Listed. China: Listed
US TSCA: Listed New Zealand: Listed
Japan: Listed Korea: Listed
No chemical safety assessment has been carried out for mixture by the supplier.

SECTION 16 – ADDITIONAL INFORMATION

Information for this Safety Data Sheet was prepared from sources considered reliable. While every effort has been made to ensure full disclosure of product hazards, data is not available in some cases and is so stated where applicable. The manufacturer assumes no liability or responsibility, and no warranty is expressed or implied, in cases where products are mishandled, misused or instructions are not strictly observed. Each recipient of this MSDS is encouraged to study it carefully to fully understand this product.

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