

RBM BILGECOAT
MATERIAL SAFETY DATA SHEET**SECTION 1 – MATERIAL IDENTIFICATION AND USE**

Product Identifier:	RBM BilgeCoat	Supplier's Name and Address:
Product Code(s):	ML-BC18C	
Product Use:	Caustic Wash	
Chemical Family:	Proprietary complex mixture/preparation	RBM HoldSolutions
CAS Number:	N/Ap	Unit 101-2762 190th Street
Information Telephone #:	+1 (604) 531-8333	Surrey, British Columbia, Canada
24 Hr. Emergency Tel #:	Refer to supplier	V3S 3W6

SECTION 2 – HAZARDS IDENTIFICATION**2.1 Classification of the mixture**

Eye Damage/ Eye irritation (Category 2A)

2.2 Label elements**Label elements**

Hazard pictogram(s):



Signal Word(s): Warning

Danger Hazard statement(s): Causes serious eye irritation

Precautionary Statements

Prevention: Wash hands thoroughly after handling
Wear eye protection/face protection.
Keep only in original container

Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call your doctor.
Absorb spillage to prevent material damage.

Storage: Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local regulations.

2.3 Other hazards**Potential Health Effects**

Skin: Prolonged contact may cause skin irritation.

Ingestion: May cause gastrointestinal disturbances including irritation, nausea, & diarrhea if ingested in large quantities.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	% W/W	CAS NO.
Sodium Hydroxide Solution	7-13 %	1310-73-2

The specific chemical identity is being withheld as a trade secret.

SECTION 4 – FIRST AID MEASURES**4.1 Description of first aid measures**

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

Skin: Remove contaminated clothing. Wash affected skin with soap and water. See physician if irritation develops.

Eyes: Check for and remove contact lenses. Do not rub eyes. Immediately flush with warm, running water holding the eyelids apart, for 15 minutes. Call a physician if irritation develops.

Ingestion: If ingested, may cause loose stool. Rinse mouth and drink 2-3 glasses of water. Do not induce vomiting. Consult a physician immediately.

Self-protection of the first aider: Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed: Serious damage to eyes.**4.3 Indication of the immediate medical attention and special treatment needed:** Treat symptomatically.

RBM BILGECOAT - MATERIAL SAFETY DATA SHEET

SECTION 5 – FIRE AND EXPLOSION HAZARD DATA

5.1 Extinguishing media

Suitable Extinguishing Media: This is a water-borne product. Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: Not applicable

5.2 Special hazards arising from the substance or mixture: None.

5.3 Advice for fire-fighters: Not applicable.

5.4 Additional Information: Not available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Small spill: Use appropriate tools to wipe up the product. Observe all personal protection equipment recommendations. Rinse contaminated area with water or absorb with an inert dry material and place in a waste disposal container. Product can be neutralized with a weak acid, such as citric acid. 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. For emergency responders: Use personnel protection recommended in Section 8

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground

6.3 Methods and material for containment and cleaning up:

Do not release large quantities into surface water or drains. Wear suitable protective equipment: Gloves and eye protection. Rinse remaining liquid with water.

6.4 Reference to other sections: See Also Section 7, 8, 13.

6.5 Additional Information: For waste Disposal: Follow local regulations for discharge of waste effluent.

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for safe handling:

Use in well-ventilated areas. Do not eat and drink in work area. Wash hands after using.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep away from oxidizing & reducing agents, or strong acids.

Storage Life: Not available. It is recommended to use within 1 year.

Incompatible materials: oxidizing agents, strong acids or reducing agents.

7.3 Specific end use(s):

To increase shelf-life keep in a closed container away from incompatible materials. Do not store at temperatures above 45°C.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

8.1.1 National Limit Values:

Components	CAS #	OSHA PEL	ACGIH TLV
Sodium Hydroxide Solution	1310-73-2	2 mg/m3	2 mg/m3

8.1.2 Monitoring Procedure: Not Available

8.1.2 Air contaminants occupational exposure and biological limit value: Not available for this product.

8.1.3 Relevant PNECs and DNELs: No PNECs and/or DNELs are available for this product.

8.2 Exposure controls

8.2.1 Appropriate engineering controls: Allow sufficient ventilation during & after use, to prevent vapor accumulation.

8.2.2 Personal protection equipment

Protective Handwear: Impervious gloves recommended.

Protective Eyewear: Goggles, safety face shield optional.

Other protective clothing: Not required.

Respiratory Apparatus: Not required under normal use conditions. Where ventilation exposure level may be exceeded, use an approved NIOSH respirator.

Local/mechanical exhaust: Not normally required if good ventilation is maintained.

8.2.3 Environmental Exposure Controls:

Do not allow into open waterways and ground water systems.

RBM BILGECOAT - MATERIAL SAFETY DATA SHEET
SECTION 9 – PHYSICAL DATA

Physical State:	Liquid	Vapor Pressure:	N/Av
Appearance:	Yellowish	Specific Gravity:	1.03
Odour:	Mild	Solubility in Water	100%
Odour Threshold:	N/Av	Partition Coefficient:	N/Av
PH Factor:	11.05	Auto-Ignition Temperature:	N/Av
Freezing Point:	-2°C	Viscosity:	N/E
Boiling Point:	N/Av	Oxidizing Property:	No
Flash Point / Method:	N/Av	% Volatile:	N/Av
Evaporation Rate:	N/Av	Decomposition Temperature:	N/Av
Flammability:	None	Upper Flammable / Exposure Limits:	N/Av

SECTION 10 – STABILITY AND REACTIVITY DATA

- 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:** Highly reactive with: strong oxidizing agents, strong acids or reducing agents.
- 10.4 Conditions to avoid:** Excessive heat
- 10.5 Incompatible materials:** Strong oxidizing agents, strong acids or reducing agents.
- 10.6 Hazardous Decomposition Product(s):** No known hazardous decomposition products.
- 10.7 Hazardous polymerization:** Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION
Information on toxicological effects
11.1.2 Mixtures

Acute Oral Toxicity Estimate:	LD 50 (Oral, rat) \geq 5,000 mg / kg
Acute Dermal Toxicity Estimate:	Not available
Skin Corrosion/Irritation:	Prolonged contact with skin may cause irritation.
Serious eye damage/irritation:	May causes eye damage
Respiratory or Skin sensitization:	No
Mutagenicity Data:	No adverse reproductive effects are anticipated
Carcinogenicity Data:	The ingredients are not classed as carcinogenic by ACGIH, IARC, OSHA
Reproductive Data:	No adverse reproductive effects are anticipated. Not Mutagenic.
STOT-single exposure:	No
STOT- repeated exposure:	No
Aspiration Hazard:	No

11.2 Other information: None

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Toxicity:	Estimated Acute (trout): 96 hour $LC_{50} > 500$ mg/l
12.2 Persistence and degradability:	All raw materials were found to be biodegradable
12.3 Bioaccumulative potential:	Not Available
12.4 Mobility in soil:	Not Available
12.5 PBT and vPvB assessment:	Not Available
12.6 Other adverse effects:	None

SECTION 13 – DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods:** Consult your local regional authority for disposal options
- 13.2 Additional Information:** Avoid release to the environment.

SECTION 14 – TRANSPORT INFORMATION

14.1 TDG	Not Regulated
14.2 DOT	Not Regulated
14.3 ADR	Not Regulated
14.4 ICAO/IATA	Not Regulated
14.5 IMO/IMDG	Not Regulated

RBM BILGECOAT - MATERIAL SAFETY DATA SHEET**SECTION 15 – REGULATORY INFORMATION****15.1. US Federal Information:**

OSHA: This material is classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcome 2012).

Hazardous classification:

H 320 Causes Eye irritation (Category 2A)

USA TSCA (Toxic Substance Control Act): All chemicals listed

US CERCLA Reportable quantity (RQ): N/Ap

SARA TITLE III: Sec.313. 40 CFR 372 This substance contains no materials subject to the reporting requirements of SARA (III) Section 313

Clear Water Act: None of the ingredients are listed as Hazardous, Priority Pollutants or toxic pollutants

US State Right to Know Law

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.

15.2. International regulations:

Australian: Listed on Australian Inventory of Chemical Substances(AICS)

New Zealand(NZIoC): Listed

China(IECSSC): Listed

Japan(ENCS): Listed

Korea (ECL): Listed

Canada DSL/NDSL: Listed – DSL

15.3 VOC content: N/Av

15.3 Chemical Safety Assessment: 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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