

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

|                                 |                                 |                                     |
|---------------------------------|---------------------------------|-------------------------------------|
| <b>Product Identifier:</b>      | <b>RBM HoldBlock®</b>           | <b>Supplier's Name and Address:</b> |
| <b>Product Code(s):</b>         | BL-HB20C                        | <b>RBM HoldSolutions</b>            |
| <b>Product Use:</b>             | Hydrophobing Wax Emulsion       | Unit 101-2762 190th Street          |
| <b>Chemical Family:</b>         | Proprietary mixture/preparation | Surrey, British Columbia, Canada    |
| <b>CAS Number:</b>              | 8002-74-2                       | V3S 3W6                             |
| <b>Information Telephone #:</b> | +1 (604) 531-8333               | rbm@holdsolutions.com               |
| <b>24 Hr. Emergency Tel #:</b>  | Refer to supplier               |                                     |

**SECTION 2 – HAZARDS IDENTIFICATION**

This non-hazardous substance is not classified according to OSHA HCS 2012.

**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

| Components                         | % W/W | CAS NO.   |
|------------------------------------|-------|-----------|
| Paraffin Waxes & Hydrocarbon Waxes | 100%  | 8002-74-2 |

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

**SECTION 4 – FIRST AID MEASURES**

- Inhalation:** Immediately remove the affected person 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 any contact lenses. Do not rub eyes. Immediately flush with warm, running water holding the eyelids apart, for at least 15 minutes and consult a physician.
- Ingestion:** If symptoms persist, consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

**SECTION 5 – FIRE AND EXPLOSION HAZARD DATA****FLAMMABLE PROPERTIES**

**Fire/Explosion:** NFPA Class IIIB Combustible Liquid

**Suitable Extinguishing media**

*Water Fog, Foam, Dry Powder, Carbon Dioxide (CO2), Sand*

**Protective Equipment and Precautions for Firefighters**

*Wear Self-Contained Breathing Apparatus and Protective Suit*

**Further Information**

*Material will not Ignite or Burn unless water is evaporated. Prevent further leakage or spillage if safe to do so. Evacuate personnel to safe areas.*

**SECTION 6 – ACCIDENTAL RELEASE MEASURES****Methods and material for containment and cleaning up**

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Shovel into suitable container for disposal. Prevent product from entering drains.

**Spill Precautions**

Material can create slippery conditions.

**SECTION 7 – HANDLING AND STORAGE****Safe Handling Advice**

Provide sufficient air exchange and/or exhaust in work rooms. Keep away from heat and sources of ignition.

**Load / Unload Temperature**

Ambient

**Further Information on Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

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**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Engineering Measures**

Air containment levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines)

**Personal Protective Equipment**

**Eyes:** Wear as appropriate: Goggles, Safety Face Shield.  
**Skin:** Wear suitable protective clothing, gloves and eye/face protection.  
**Inhalation:** Wear as appropriate: Alkaline Resistant Gloves  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
Use NIOSH approved respiratory protection.

**Exposure Guidelines**

Components

Paraffin / Hydrocarbon Waxes

PEL = Permissible Exposure Limits  
TLV = Threshold Limit Value

Exposure Limits

ACGIH TLV (8-hour) 2mg/m3

EL = Excursion Limit  
STEL = Short Term Exposure Limit (15 min.)

TWA = Time Weighted Average (8 hr)  
WEEL = Workplace Environmental Exposure Level

**SECTION 9 – PHYSICAL DATA**

|                              |                |   |                      |
|------------------------------|----------------|---|----------------------|
| <b>Physical State:</b>       | Liquid         | <b>Vapor Pressure:</b>                    | N/Av                 |
| <b>Appearance:</b>           | Yellowish      | <b>Specific Gravity:</b>                  | N/Av                 |
| <b>Odour:</b>                | Mild           | <b>Solubility in Water</b>                | Soluble              |
| <b>Odour Threshold:</b>      | N/Av           | <b>Partition Coefficient:</b>             | N/Av                 |
| <b>pH Factor:</b>            | 6-10           | <b>Auto-Ignition Temperature:</b>         | N/Av                 |
| <b>Freezing Point:</b>       | N/Av           | <b>Viscosity:</b>                         | N/Av                 |
| <b>Boiling Point:</b>        | >100°C, >212°F | <b>Vapour Density:</b>                    | N/Av                 |
| <b>Flash Point / Method:</b> | N/Av           | <b>Density:</b>                           | 1 g/cm3 @ 25°C, 77°F |
| <b>Evaporation Rate:</b>     | N/Av           | <b>Decomposition Temperature:</b>         | N/Av                 |
| <b>Flammability:</b>         | N/Av           | <b>Upper Flammable / Exposure Limits:</b> | N/Av                 |

**SECTION 10 – STABILITY AND REACTIVITY DATA**

**Reactivity:** Stable at normal ambient temperature and pressure.  
**Chemical stability:** No decomposition if stored and applied as directed.  
**Conditions to avoid:** Keep from Freezing.  
**Incompatible materials:** None known.  
**Hazardous Decomposition Product(s):** Carbon Oxides  
**Hazardous polymerization:** None.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

|  |  |                                 |  |
|--|--|---------------------------------|--|
| <b>Acute Dermal Toxicity Estimate:</b>     | LD 50 (Rabbit) > 3,600 mg / kg<br>Test substance: Paraffin and hydrocarbon waxes                               | <b>Carcinogenicity Data:</b>    | Contains no ingredient listed as a carcinogen.   |
| <b>Acute Inhalation Toxicity Estimate:</b> | Not available  | <b>Reproductive Data:</b>       | Rat; OECD Test Guideline 421<br>NOAEL (F1): >=1,000 mg/kg<br>Test substance: Paraffin and hydrocarbon waxes<br>Based on available data, the classification criteria are not met. |
| <b>Acute Oral Toxicity Estimate:</b>       | LD 50 (Rat) > 5,000 mg / kg<br>Test substance: Paraffin and hydrocarbon waxes                                  | <b>Teratogenicity:</b>          | Rat; OECD Test Guideline 414<br>NOAEL (teratogen): >=1,000 mg/kg<br>NOAEL (maternal): >=2,000 mg/kg<br>Test substance: Paraffin and hydrocarbon waxes                            |
| <b>Skin Corrosion/Irritation:</b>          | (Rabbit) Non-Irritating<br>Test substance: Paraffin and hydrocarbon waxes                                      | <b>STOT-single exposure:</b>    | No data available  |
| <b>Eye damage/irritation:</b>              | (Rabbit) Non-Irritating<br>Test substance: Paraffin and hydrocarbon waxes                                      | <b>STOT- repeated exposure:</b> | Mouse; OECD Test Guideline 453<br>NOAEL: >150 mg/kg<br>Test substance: Paraffin and hydrocarbon waxes  |
| <b>Respiratory or Skin sensitization:</b>  | Guinea Pig: Not sensitizing;<br>Test substance: Paraffin and hydrocarbon waxes                                 | <b>Aspiration Toxicity:</b>     | No data available  |
| <b>Maximization Test</b>                   | Chromosome Aberration Test in Vitro<br>Result: Not Mutagenic<br>Test substance: Paraffin and hydrocarbon waxes |                                 |  |
| <b>Germ Cell Mutagenicity (in vitro):</b>  | Mammalian Cell Gene Mutation Assay<br>Result: Negative<br>Test substance: Paraffin and hydrocarbon waxes       |                                 |  |

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**SECTION 12 – ECOLOGICAL INFORMATION**

|   |   |
|---|---|
| <b>Toxicity to fish:</b>                          | LL50 (Pimephales promelas (fathead minnow)) 96 hours: >100 mg/l                                   |
| <b>Toxicity to aquatic invertebrates:</b>         | LL50 > 10,000 mg/l  |
| <b>Toxicity to algae:</b>                         | NOEL (Pseudokirchneriella subcapitata (green algae)) 72 hours: >= 100 mg/l;<br>Growth inhibition. |
| <b>Chronic toxicity to fish:</b>                  | NOEL (Pimephales promelas (fathead minnow)) > 100 mg/l  |
| <b>Chronic toxicity to aquatic invertebrates:</b> | NOEL (Gammarus pulex) 4 d: > 10,000 mg/l; OECD Test Guideline 202                                 |
| <b>Biodegradation:</b>                            | Inherently biodegradable.   |
| <b>Bioaccumulation:</b>                           | No data available   |
| <b>Mobility in Soil:</b>                          | No data available   |
| <b>Other adverse effects:</b>                     | No data available   |

**SECTION 13 – DISPOSAL CONSIDERATIONS**

|                          |   |
|--------------------------|---|
| <b>Waste Code:</b>       | Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.                        |
| <b>Disposal Methods:</b> | Dispose of only in accordance with local, state and federal regulations. Land disposal of this product is restricted. Do not contaminate any lakes, streams, ponds, groundwater or soil.  |
| <b>Empty Containers:</b> | Empty containers and original plastic liners may contain product residue. Handling of empty containers and liners should be in a manner to minimize dust generation. Safe handling procedures as outlined in the MSDS should be followed at all times. Consult the appropriate official for information regarding disposal requirements. Safe handling procedures as outlined in the SDS should be followed at all times. Consult the appropriate official for information regarding disposal requirements. |

**SECTION 14 – TRANSPORT INFORMATION**

|            |               |                  |               |
|------------|---------------|------------------|---------------|
| <b>TDG</b> | Not Regulated | <b>ICAO/IATA</b> | Not Regulated |
| <b>DOT</b> | Not Regulated | <b>IMO/IMDG</b>  | Not Regulated |

**SECTION 15 – REGULATORY INFORMATION**

**US Federal Regulations**

**OSHA Hazards (HCS 1994)**

This material is classified as non-hazardous under OSHA regulations.

**TSCA Inventory Listing**

| <u>Components</u>                  | <u>CAS-No.</u> | <u>Weight %</u> |
|------------------------------------|----------------|-----------------|
| Paraffin Waxes & Hydrocarbon Waxes | 8002-74-2      |                 |

**SARA 302 Status**

| <u>Components</u>   | <u>CAS-No.</u> | <u>Weight %</u> |
|---|----------------|-----------------|
| No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. |                |                 |

**SARA 311/312 Classification**

Non-hazardous substance

**SARA 313 Chemical**

| <u>Components</u>   | <u>CAS-No.</u> | <u>Weight %</u> |
|---|----------------|-----------------|
| This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. |                |                 |

**US EPA CERCLA Hazardous Substances (40 CFR 302)**

| <u>Components</u> | <u>Reportable Qty.</u> | <u>Weight %</u> |
|-------------------|------------------------|-----------------|
| None              |                        |                 |

**International Regulations:**

**WHMIS Classification**

WHMIS hazardous composition: No ingredients are hazardous according to CPR criteria.

**European Union**

The product does not need to be labelled in accordance with EC directives or respective national laws.

|   |        |
|---|--------|
| <b>Australia - Inventory of Chemical Substances (AICS)</b>              | Listed |
| <b>Japan - Inventory of Existing and New Chemical Substances (ENCS)</b> | Listed |
| <b>Japan - Industrial Safety &amp; Health Law (ISHL) Inventory</b>      | Listed |
| <b>Canada - Domestic Substances List (DSL) Inventory</b>                | Listed |

**RBM HOLDBLOCK® MATERIAL SAFETY DATA SHEET****SECTION 15 – REGULATORY INFORMATION****International Regulations (cont'd):**

|   |            |
|---|------------|
| Canada – Non-Domestic Substance Listing (NDSL)                        | Not Listed |
| European Inventory of Existing Commercial Chemical Substances Listing | Listed     |
| Philippines – Inventory of Chemicals / Chemical Substances (PICCS)    | Listed     |
| Korea – Existing Chemicals Inventory (KECI)                           | Listed     |
| China – Inventory of Existing Chemical Substances (IECSC)             | Listed     |
| Mexico – National Inventory of Chemical Substances (INSQ)             | Listed     |
| New Zealand – Inventory of Chemicals (NZIoC)                          | Listed     |
| Switzerland – Inventory of Notified New Substances (CHINV)            | Listed     |
| Taiwan – National Existing Chemical Inventory (NECI)                  | Listed     |

Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

**State Regulations:****California Prop. 65**

| <u>Components</u> | <u>CAS-No.</u> | <u>Weight %</u> |
|-------------------|----------------|-----------------|
| None              |                |                 |

**SECTION 16 – ADDITIONAL INFORMATION****Hazard Ratings:**

|       | <u>Health</u> | <u>Flammability</u> | <u>Physical Hazard / Instability</u> |
|-------|---------------|---------------------|--------------------------------------|
| HMIS® | 1             | 1                   | 0                                    |
| NFPA  | 1             | 1                   | 0                                    |

Information for this Material 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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