

RBM HoldWash-HD

**NON-HAZARDOUS
NON-FLAMMABLE
BIODEGRADABLE**

HEAVY DUTY CLEANER & HOLDBLOCK REMOVER

APPLICATION INSTRUCTIONS

COAL, PETCOKE & OILY RESIDUES

1. After discharge, remove as much remaining cargo as possible, as per normal procedures.
2. Do NOT wet the surface of the hold before applying HoldWash-HD.
3. Mix 4 jugs of HoldWash-HD Concentrate with approx. **120** litres of fresh water, as per Mixing Instructions to make 200L of solution.
4. Apply HoldWash-HD liberally to affected areas from the top down with an RBM Application Set.
5. Allow to soak for about 15 minutes, but **do not allow to dry**. Work in sections.
6. Use FRESH water to clean the area. Use the highest pressure possible (ie. RBM HydroBlaster).
7. Some brushing and/or scrubbing may be required for stubborn stains.
8. If second application is required, wait for surface to dry before applying again.

SULPHUR, SALT, POTASH, ETC.

1. After discharge, remove as much remaining cargo as possible, as per normal procedures.
2. Do NOT wet the surface of the hold before applying HoldWash-HD.
3. Mix 3 jugs of HoldWash-HD Concentrate with approx. **140** litres of fresh water, as per Mixing Instructions.
4. Apply HoldWash-HD liberally to affected areas with an RBM Application Set.
5. Allow to soak for about 15 minutes, but **do not allow to dry**. Work in sections.
6. Use FRESH water to clean the area. Use the highest pressure possible (ie. RBM HydroBlaster).
7. Some brushing and/or scrubbing may be required for stubborn stains.
8. If second application is required, wait for surface to dry before applying again.

MIXING INSTRUCTIONS

Fill a clean empty drum half way with **FRESH** water. Add required jugs of RBM HoldWash-HD concentrate. Mix Well. Top up with water, stirring occasionally.

DILUTION RATES

Heavy-Duty Cleaner 4 Pails / Drum (80 ltrs:120 ltrs water) <i>Coal, Petcoke, Concentrates, etc</i>	1:1.5
Barrier Remover 3 Pails / Drum (60 ltrs:140 ltrs water) <i>Removal of RBM HoldBlock</i>	1:2
General Cleaning 2 Pails / Drum (40 ltrs:160 ltrs water) <i>Hold Maintenance, Engine Room, etc</i>	1:4

HOW LONG TO SOAK?

Suggested time is 15 minutes. More time may be required for heavier residues. Determine the size of sections to clean & soaking time by the current weather conditions. Clean small sections in warm climates. In cooler climates, clean larger sections.

EQUIPMENT SETUP & NOTES

Bleed the vessel's air lines before connecting the pump. Weight the suction hose to keep secure at the bottom of the drum. Before connecting the outlet hose, secure it to avoid tension on the pump. Take extra precautions with hose connections. Loop the wand hose with the outlet hose to prevent fittings from disconnection.

Always start the pump with all hoses on deck to ensure no leaks. Use a heaving line to lower equipment into the holds. Ensure the PowerWand tip is facing up.

PRECAUTIONS

Although RBM HoldWash-HD is safe to use, it may cause skin or eye irritation with prolonged contact. As a precaution, wear protective gloves, goggles and a mask. Do not spray directly onto skin or eyes. Avoid prolonged breathing of mist.

 **RBM**[®]
HOLDSOLUTIONS

— ESTABLISHED 1999 —

+1 604 531 8333 (24 hrs) www.holdsolutions.com

The above recommendations and instructions are based on past experiences. There is no scientific formula to determine the required amount of RBM HoldWash-HD for each vessel. Several conditions can affect the required amount; such as the ability, efficiency and experience of crew, hold conditions, weather conditions, application height and equipment used.