

GAS SIDE CLEANER

APPLICATION

GAS SIDE CLEANER is primarily intended for use in motor vessel exhaust gas heat recovery units of all designs. It can be used to clean fouled exhaust trunks. It is fully effective when used to wash down auxiliary and main boilers from the uptakes, through economizers, generating tube banks, super-heaters, membrane walls, water walls and furnaces. It contains an additive to assist in the removal of vanadium.

DIRECTIONS FOR USE

GAS SIDE CLEANER is sprayed undiluted on to the upper most point of the system. It contains a "clinging agent" and will run around tubes / fins and drain onto the next bank. A steady spray on the top area should be maintained until the complete unit is soaked. Very large systems may require spraying at different sections.

CLEANING PROCEDURE

1. Check if the casing drains to the bilge are open and clear (as applicable)
2. Open the turbo charger casing drain to the bilge (as applicable)
3. Prepare spray equipment and connect gas side cleaner drum
4. Spray gas side cleaner starting from the highest points, ensuring that enough product is applied to allow thorough wetting of tubes / fins below and especially out of sight
5. Allow soaking for 30 - 60 minutes
6. Wash off deposits, starting from the highest point, using a fresh water jet
7. Keep checking the drains of the casings during wash down
8. Inspect system thoroughly, repeat if necessary

WATER WASH SYSTEM

UNIMARINE services provides a portable economizer wash-down unit for low and high pressure jetting of economizers etc. This is a complete pump, hose and lance system that is fed directly from the *GAS SIDE CLEANER* drum. Vessels with permanent-, semi- or fully automatic water washing systems can have a *UNIMARINE* Pre-wash injection unit retrofitted. This can be custom built to give total control over the timing of the whole operation. Please contact *UNIMARINE* for further details.

No. 3.3



GAS SIDE CLEANER

Alkaline liquid for removal of deposits from exhaust gas economizers, when water-washing

- Rapid and complete removal of soot
- Neutralizes acidic components
- Reduces casing drain blockages
- Maintains thermal efficiency of unit
- Greatly reduces fire risks

PRODUCT CHARACTERISTICS

Appearance:	Mild alkaline liquid.
Corrosive action:	Suitable for use on most common metals; must however not be used on aluminum, zinc, or galvanized materials.
Specific gravity:	1,19 (20°C)
pH 1% solution:	11,2
Flash point:	none
IMO Class:	8 / II
UN Number:	1814
ADR:	8,42b)

UNIClean

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NATURE OF SPECIAL RISKS AND SAFETY ADVICE

In accordance with the latest EEC Council directives this product is subjected to:

- R34 : Causes burns
- S2 : Keep out of reach of children
- S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S28 : After contact with skin, wash immediately with plenty of water and seek medical advice
- S36/37/39 : Wear suitable protective clothing, gloves and eye / face protection
- S45 : In case of accident or if you feel unwell, seek medical advice immediately
(show the label if possible)