

**SOLBREAK™**

DESCRIPTION

SOLBREAK is an innovative, powerful solvent, emulsifying product, engineered for use in general cleaning, degreasing and light carbonaceous deposits removal in engine rooms, bilges, cargo tanks and other installations. Furthermore, it may be used as a general degreaser in special situations where optimum results are sought. Its unique characteristics allows the quick break down of the after clean emulsions into two phases, a water phase and an organic (oil) phase. This provides us with the ability to dispose of the waste solution according to **MARPOL** and **IMO** regulations.

ADVANTAGES AND CHARACTERISTICS

- ◆ A concentrated degreasing cleaning solution ideal for use in cleaning cargo tanks, deep tanks, bilges, engine rooms, decks etc.
 - ◆ Acts quickly and thoroughly - readily disperses in water.
 - ◆ Separates the waste emulsions and breaks down the water from the oil into two phases. That way, it provides the advantage to discharge the waste on land/on shore slop stations around the world.
 - ◆ Non-corrosive, non-toxic and non-conductive.
 - ◆ Alternatively, sometimes used as a general degreaser in difficult cleaning situations.
 - ◆ Can be safely applied to all kinds and types of metal surfaces (painted or not).
 - ◆ No known effect on rubber and plastic compounds.
 - ◆ May be combined with a specific range of products.
 - ◆ Cost effective, easy to apply and use.
- ▶ **According to MARPOL 73/78** chemical tankers are only permitted to use tank cleaning agents, which had been approved and evaluated by the International Maritime Organisation (IMO).
 - ▶ **SOLBREAK** was evaluated in accordance with MEPC.1/Circ. 590 through IMO's Working Group on the Evaluation of Safety and Pollution Hazards of Chemicals (ESPH Working Group) and found to meet the requirements of regulation 13.5.2 of Annex II of MARPOL 73/78.

PHYSICAL PROPERTIES

SOLBREAK is a blend of superior organic solvents, non-ionic and anionic surfactants and chemical advanced wetting agents.

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| Appearance/Color | : Pale liquid |
| Specific gravity | : 0.82 - 0.86 gr/cm ³ at 20°C |
| Flash Point | : >40°C |
| Odor | : Slight Aromatic Solvent Odor |

PACKAGING

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| Order Number | : 832535 (25 ltrs), 832136 (210 ltrs) |
| Container | : Steel drum |

APPLICATION AND USE

A. Dosing Procedure

The quantity of **SOLBREAK** to be used is proportional to the degree of cleaning required, the available downtime and the level of residual contamination. As such, the appropriate quantity to be used should be based on the user's judgement. However, for light contamination, a 50% dilution with water is possible. For medium contamination a dilution with gas oil is feasible, where as for heavy contamination, it is suggested to use **SOLBREAK** undiluted. Note that in the two last cases, where water is absent and immersion/soaking method is being used, the remaining solution can still be used for further cleaning; this can be for the same immersion/soaking method or for another type of product application method i.e. for brushing.

B. Cleaning Procedure

Once the quantity of **SOLBREAK** is determined, apply using any of the methods of brushing and/or soaking/immersion.

Brushing is used in situations where small areas have heavy deposition and on highly contaminated parts or engine components. Brushing is also good for the awkward areas.

Soaking/Immersion is used in situations where we deal with dismantled parts, articles and engine components. Here, brushing may be applied in coordination with immersion to remove heavy accumulation.

After the application, no matter what method has been used, you must rinse off with sea or fresh water (preferably warm and under high pressure).

**MARICHEM®**

! SAFETY AND HANDLING

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| HANDLING | Handle with care. Store in a dry, cool and well ventilated environment. |
| SAFETY | IMMEDIATE ACTIONS |
| Eye Contact | Avoid Eye contact. Otherwise, flush with plenty of water for a few minutes. Seek medical attention. |
| Skin Contact | Avoid Skin contact. Otherwise, wash contaminated area thoroughly with water. Seek medical attention. |
| Inhalation | Avoid inhalation of vapors. Otherwise, seek fresh air source at once. Seek medical attention |
| If Swallowed | Avoid ingestion. Otherwise, consume a considerable quantity of water. Do not induce vomiting. Seek medical attention. |
| GENERAL INSTRUCTIONS | Avoid spillage, splashing and mishandling. Wear suitable protective clothing, gloves and eye/face protection before using the product. |

 **Read the Material Safety Data Sheet before using this product.**

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or Product Label.

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