



## material safety data sheet :

### **TANK CLEANER-A™**

#### **DESCRIPTION :**

TANK CLEANER-A is a highly concentrated liquid blend of superior, innovative constituents which contribute to the efficient removal and cleaning of cargo tanks, fuel oil tanks and tank lines from oil contamination, fuel residues and sludge deposits. It contains biodegradable raw materials and it's a powerful cleaning product. It may safely be applied to all kinds and types of metal surfaces painted or not, it is non corrosive and it has non known effect on rubber and plastic parts. Furthermore, it may be used as a general degreaser in special situations where optimum results are sought.

#### **ADVANTAGES AND CHARACTERISTICS :**

- Concentrated degreasing solution, ideal for use in cleaning cargo tanks, deep tanks, bilges and pipelines.
- Can be used as a general degreaser in very difficult cleaning situations.
- May be applied to all kinds and types of metal surfaces, painted or not.
- May be combined with a broad range of products.
- Cost effective, easy to apply and use.

#### **PHYSICAL PROPERTIES :**

TANK CLEANER-A is a liquid solution that contains an aromatic solvent, non-ionic, surface-active agents, corrosion inhibitor and biodegradable, water-based raw materials.

Appearance/Color : Light yellow liquid

Specific gravity : 0.96 - 1.00 gr/cm<sup>3</sup> at 20 °C

Odor : Slight Aromatic

Stability : Very Stable

pH value : 11 - 12

#### **APPLICATION AND USE :**

**A. Dosing Procedure** The quantity of TANK CLEANER-A to be used is proportional to the tank capacity, the level of contamination and the degree of cleaning required, as such; appropriate dosing can be decided by consulting the table found below.

**\*NOTE:** The dosage to be used must be based on the total tank capacity and not on the water percentage to be ballasted in the tank.

**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).

**TANK CLEANER-A** 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.

**KEMOTOR: MARINE CHEMICALS & CLEANING & MAINTENANCE**



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#### SAFETY AND HANDLING:

<b>HANDLING</b>	Handle with care. Store in a dry, cool and well ventilated environment.
<b>SAFETY</b>	IMMEDIATE ACTIONS.
<b>Eye Contact</b>	Avoid Eye contact. Otherwise, flush with plenty of water for a few minutes. Seek medical attention.
<b>Skin Contact</b>	Avoid Skin contact. Otherwise, wash contaminated area thoroughly with water. Seek medical attention.
<b>Inhalation</b>	Do not breathe gas/vapors. Otherwise, seek fresh air source at once. Seek medical attention. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>If Swallowed</b>	Avoid ingestion. Otherwise, consume a considerable quantity of water. Do not induce vomiting. Seek medical attention.
<b>GENERAL INSTRUCTIONS</b>	Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before use

**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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