RX MARINE INTERNATIONAL

M.DET-300

Part/Order no:

RXSOL-16-1029

Decipation

This is multi - prupose heavy duty cleaing LABSA and ethoxy lauryl solution used as a common dirt remover in residential, commercial and industrial cleaning processes. It is low toxic product with an exceptional solvency power on soil & oily matter & having good foaming qualities. It is free from Hydrocarbon solvents , Biodegradable and minimizes the extreme hazards to personnel in handling materials

Dose

RXSOL-20-T-300-210 has a long non-polar hydrocarbon chain and a highly polar group at the end of the molecule thus having a cleaning power better than ordinary soap

Cleaning Action

When solution water is poured over the DIRTY surface the hydrocarbon Tail of the each molecules peg in to it, while the (–ve) HEAD is held in water. The dirt or grease layer is then disloged from the skin by rubbing or from garment by tumbling and stirring. Each grease globule thus separated in PIN CUSHIONED by hydrocarbon TAILS with (-ve) HEADS out wards in water. The (-ve) HEAD globules keep apart by mutual repulsions & are said to have emulsified.The emulsified grease globules bearing dirt can be readly washed with water.

Note

Suitable for cleaning of RIGS and engine components like fuel and Lube oil filters, Injection nozzles, pump components, inlet and exhaust valves & primarily refers to cleaning of hard surfaces, such as Decks, Tanks, Engine-rooms, etc. can be used for all types of cleaning and degreasing and may be applied by brush, hand spray, high and low pressure washing machines etc...

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Structure :

HEAD - Molecule have a long chain non polar Hydrocarbon, whose structure can be Studied as follows:-
Head : It is water soluble & Vely charged.
Tail : It is oil soluble.

Charateristic (Why this is better than soap?)

- This solution is superior to soaps because they donot form insoluble salts Ca^{+2},Mg^{+2}, & Fe^{+3},ions as soaps do.

For e.g :- $2RCOO^{-}Na+ + Mgso4$ Ù$(RCOO)2\ Mg^{+2} + Na2So4$ Soaps Insoluble $2R\ So3^{-}Na+ + MgSo4[\ R\ So3^{-}]2Mg^{+2} + Na2So4$ Hence this ,can be used in either Soft Water or Hard Water, While ordinary soaps are precipitated in Hard Water and go waste.

- **This solution** , have a long non-polar hydrocarbon chain and a highly polar group at the end of the molecule. Thus they have CLEANING POWER , as better than ordinary soap

- Ordinary Soaps were not readily BIODEGRADABLE, In other words, they

- were not broken down by BACTERIA in the SEWAGE TREATMENT Plants. They caused water POLLUTION while M.DET 300 , are Biodegradable , so there is no question of water pollution.

Technical Specification :-

Appearance	Pale yellow liquid
Density	In g/cm3 at 15°C: 1.01
metal	not known effect
rubber	not known effect
ph	Alkaline

Characteristics :

- Removes grease, oil, carbon deposits, soil and grime.
- Keeps loosened deposits in suspension preventing re-deposition
- Low toxic.
- Non-flammable.
- Free from hydrocarbon solvents
- Water-based cleaner
- Non-corrosive to ferrous metals.