



## TECHNICAL INFORMATION SHEET

# ESCORT - HDD 99

## Heavy Duty Degreaser & Engine Cleaner

### Description :

ESCORT - HDD - 99 is a highly concentrated liquid chemical degreaser and motor cleaner that cleans by penetration and emulsification. It is non - caustic and non - alkaline.

### Where to use :

ESCORT - HDD - 99 is used for rapidly and economically cleaning :

1. Greasy and oily motors ( not electrical ).
2. Trucks, buses, tractors, farm equipment and implements.
3. Parts prior to storage or repairing.
4. Metal and concrete surfaces.
5. Concrete floors.
6. Assembly line metals cleaning and degreasing prior to painting, plating or finishing.

### How to use :

1. ESCORT - HDD - 99 may be mixed with kerosene, diesel fuel, or petroleum solvent. Dilute one part of ESCORT - HDD - 99 with four part to eight parts of fuel oil, Kerosene or other solvent and allow to penetrate for about five minutes, then rinse with water ( preferably using a pressure nozzle on the hose ).
  - a. Hydro Air Gun Method – When air pressure is available ( not to exceed about 160 psi ), the Hydro Air Gun Sprayer is an exceptional labor saving device for hosing ESCORT - HDD - 99 off :
    1. Spray ESCORT - HDD - 99 on with A Duz-All or three gallon pressure sprayer and allow to penetrate.



2. Rinse ESCORT -HDD - 99 off with the hydro air gun sprayer. The air gun hooks onto the air line and water line and operates under tremendous pressure. This gun with ESCORT -HDD - 99 does a job similar to that of a steam cleaner.
- b. Three gallons hand air pressure tank sprayer method where air line pressure is not available.
  1. Mix the proper ECSORT -HDD - 99 solution in the sprayer.
  2. Insert air pressure with the hand air pump attached to the sprayer.
  3. Spray ECSORT -HDD - 99 on allow to penetrate and then hose off with water.
- c. Vat or immersion cleaning method for cold degreasing. Immerse the parts or parts to be cleaned into ECSORT - HDD - 99 solution. Allow parts to be soak for at least 15 minutes. Then hose off with a strong stream of water.

Demonstration :

1. Spray or brush a diluted solution of ESCORT - HDD - 99 on a motor or other greasy surface.
2. Allow the ECSORT -HDD - 99 to penetrate for several minute.
3. Agitate the surface it necessary.
4. Hose off with water preferably with a pressure nozzle. Demonstrate with the hydro air gun if pressure is available

Product benefits :

1. Non-toxic and non-injurious.
2. Offensive odors.
3. Non caustic - will not harm painted surfaces.
4. No harmful vapors of fumes.
5. Fast acting and economical ( saves considerable time and labor ).
6. Cold degreasing action - requires no heat.
7. Emulsifies greases and oil into milky emulsion.
8. Does not harm wiring.
9. Labor saving.
10. Contains special rust inhibitor.
11. Economical an efficient dilute solution may be made for about 60% per gallon.



Potential users :

1. ESCORT - HDD - 99 is used primarily wherever automotive equipment, part and machinery are serviced and maintenance, such as :
  - a. Trucking and Transit Companies.
  - b. Automobile, Implement Dealers and Garages.
  - c. Street Department Garages.
  - d. County Highway Department Garages.
  - e. Schools ( Automotive and Agricultural Department ).
  - f. Industrial Plants.
  - g. Commercial and Industrial Accounts with their own Garages or Shops.
  - h. Airlines and Airplane Repair Shops.

Description :

ESCORT - HDD - 99 is a solvent based heavy Duty degreaser and engine cleaner. It is light brown in color, close to clear.

ESCORT - HDD - 99 is advantageously used to clean engine and parts of engine that are heavily coated with grease, grime, coagulated fuel oil and tar. It is very frequently used to clean specific parts of the engine for localized repair work.

Product benefits :

1. The rapid cleaning power of ESCORT - HDD - 99 makes it a favorite amongst repairers of engine rooms of the ship and heavy equipment operations in the field. The fast and extremely efficient penetrating cleaning power of ESCORT - HDD - 99 enables the dirty parts of an engine to be cleaned very quickly. This is especially necessary when localized repairs to engine parts are being done. Just spray on ESCORT - HDD - 99 wait for 5 to 10 minutes and hose off all the grease and grime with a jet of water.
2. The Penetrating Power of ESCORT - HDD - 99 enable cracks and crevices to be cleaned thoroughly. This is important in mechanical repair works. Discovery of cracks and crevices may lead to proper diagnosis of mechanical or engine faults.
3. ESCORT - HDD - 99 is a safe product to work with. Unlike kerosene (which is flammable), or diesel (which contains creosote and is carcinogenic), or petrol (which is both flammable and toxic because it contains lead ). ESCORT - HDD - 99 has a high flash point and is non-toxic. It is also non-alkaline and non-acidic.



4. The fast acting penetrating power of ESCORT - HDD - 99 allows engine to be cleaned very quickly thus making it possible for engine to get back to work with the least lost of time.
5. ESCORT - HDD - 99 is safe for use where plastic, rubber and painted parts lie side by side with metal parts. On bare metal surfaces, ESCORT - HDD - 99 leave a special corrosion inhibitor AR 12 to protect bare surface metals from corrosion.

How to use :

ESCORT - HDD - 99 may be diluted with up to 10 parts with solvents. Preferred solvent that is both convenient and suitable will be kerosene. As with other chemicals the rate of dilution will be dependent upon the degree of contamination of the surfaces.

Potential users :

ESCORT - HDD - 99 is a normally standard inventory in field workshops and mechanical repair shops.

Listed below are same areas of use :

1. Engine rooms of ships, oil rigs and production platforms.
2. Garage and vehicle repair depots, road-making vehicle workshops. Industrial plants (especially for the cleaning of oil leaks in plants ), aircraft repair shops.

TECHNICAL DATA :

PH	:	Neutral.
DENSITY	:	0.98 GM / CC.
CHEMICAL FAMILY	:	Blend of solvents, emulsifiers esters, surface active agents, Penetrant and petroleum distillates.
FLAMMABILITY	:	Does not ignite or flasher at room temperature usage ( up to 40°C )
REACTIVITY	:	Non-caustic, no-alkaline, safe on metals, does not cause Corrosion
POLLUTION ASPECT	:	Biodegradable.
MISCIBILITY	:	Miscible with solvents (kerosene) with water it turns into a White emulsion thus enabling rinsing.
USAGE	:	Can be diluted up to 10 times with solvents (diesel or kerosene) for normal usage dilute up to 3 times With solvents, then agitate and wipe off contaminants or Rinse with water.