



HD-EF LIGHT CLEANER

MultiGuard HD-EF Light Cleaner is a liquid, moderately alkaline detergent for general purpose cleaning. It is an excellent water-based degreaser due to superior penetrating and wetting properties resulting in quick and complete oil and grease removal. Heavy Duty EF rinses easily and completely.

HD-EF LIGHT is environmentally friendly!

- No SARA 313 reportables (no butyl cell or glycol ethers)
- Zero V.O.C. content
- Health hazard rating is 1

HD-EF LIGHT is versatile and has numerous uses. It is recommended for cleaning of floors, machinery, equipment, engines, etc.

APPLICATIONS

Floor Scrubbers: 1 - 5% by volume with water at ambient - 150°F

Manual: 1 - 7.5% by volume with water at ambient - 100°F

Immersion: 1 - 7.5% by volume with water at 80°F - 150°F

**Low & High Pressure
Non-Recirculating**

Spray: 1 - 5% by volume with water at ambient - 150°F

Most applications should be followed by a thorough water rinse

Food & Beverage

Plants: Before using HD-EF LIGHT, food products and packaging materials must be removed from room or carefully protected. After use of Heavy Duty EF, surfaces must be thoroughly rinsed with potable water.

NOTE: Equipment containing other degreasers should be drained and then flushed with water prior to charging with Heavy Duty EF.

**ENVIRONMENTALLY
FRIENDLY CLEANER
& DEGREASER**

CONTACT INFORMATION

**Customer
Service
Hotline**

800-473-5823

FAX

800-805-8131

<http://www.apollooil.com>

1175 Early Drive - Winchester, Kentucky 40391



PROPERTIES

Appearance:	CLEAR, BLUE LIQUID (Mild Odor)
Specific Gravity:	1.09
pH (100%)	13.1 - 13.5
pH (1% by volume)	11.2 - 11.6
U.S.D.A. Status:	HD-EF LIGHT CLEANER is acceptable for use in food and beverage plants based upon U.S.D.A. guidelines. HD-EF LIGHT meets the previously accepted guidelines for use as an A ₁ general cleaning agent on all surfaces, or for use with steam or mechanical cleaning devices in all departments.
Metal Safety:	Safe on ferrous, aluminum and zinc alloys, plastics and painted surfaces when used as directed.

PRODUCT CAUTIONS

WARNING! May cause skin or eye irritation. May be harmful if swallowed. Contains sodium metasilicate. Wear safety eyewear and protective gloves during use.

EMERGENCY FIRST AID:

EYES & SKIN: Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and/or shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry before reuse.

INGESTION: Do not induce vomiting. Give water. Never give anything by mouth to an unconscious person. Call a physician.

KEEP FROM FREEZING

If use is contemplated for purposes other than, or by methods different from those specifically recommended herein, please contact the manufacturer for advise.

FOR INDUSTRIAL USE ONLY - KEEP OUT OF THE REACH OF CHILDREN

