



**USDA
CERTIFIED
BIOBASED
PRODUCT**
PRODUCT 59%

EcoLine® Cleaner/Degreaser



PRODUCT DESCRIPTION

EcoLine Cleaner/Degreaser is a heavy-duty, water-dilutable cleaner/degreaser for tough cleaning jobs in industrial and commercial applications. It is ideal for cleaning machinery, shop tools, hoods, parts in-process, office equipment, floors, walls, and desks.

EcoLine Cleaner/Degreaser can be used on all engineered metals and alloys. Unlike harmful or hazardous solvent

cleaners, EcoLine Cleaner/Degreaser is safe to handle and non-flammable.

EcoLine Cleaner/Degreaser has been certified as a USDA certified biobased product and has been awarded USDA BioPreferredSM designated for Industrial Cleaners and Grease Removers for Federal Preferred purchasing. (www.biopreferred.gov)

EcoLine products are based on soybean derivatives and soybean oil methyl esters. These soya-based products provide excellent lubricity and biodegradability. EcoLine products are environmentally friendly and leave behind a high-performance Vapor phase Corrosion Inhibitor (VpCI®) corrosion protecting layer.

FEATURES

- USDA certified biobased product
- Contains 59% biobased content
- USDA BioPreferredSM designated Industrial Cleaner and Grease Remover for Federal preferred purchasing
- Environmentally friendly and biodegradable
- Biodegradability - 80.3% (28 days); confirmed by Health Institute of Zagreb, Croatia
- Safe for users
- Low VOC
- Heavy-duty cleaner
- Water-rinsable, leaves no residue
- Does not affect adhesion when followed by paint or coatings
- Works as a splitter to oil/water emulsions at 5% and 10% concentrations
- Provides multimetal corrosion protection

TYPICAL APPLICATIONS

- Universal cleaning applications
- Machinery or engines coated with grease or oil deposits
- Sheet metal covered with oil or waxy film prior to painting
- Maintenance of office equipment, floors, walls, and restrooms
- Removal of temporary coatings like Cortec® VpCI-368, VpCI-369 and VpCI-389

APPLICATION

For general cleaning applications, EcoLine Cleaner/Degreaser can be diluted 5-50% in water. For tougher cleaning and/or degreasing, apply cleaner full strength to penetrate through dirt and grime.

METALS PROTECTED

- Carbon steel
- Aluminum and alloys
- Copper and alloys
- Cast iron
- Galvanized steel
- Stainless steel

TYPICAL PROPERTIES

Appearance	Clear dark yellow to amber liquid
pH	8-9 (1% solution)
Non-volatile Content	48-52%
Density	7.9-8.1 lb/gal (0.95-0.97 kg/l)

STORAGE AND PACKAGING

EcoLine Cleaner/Degreaser is packaged in 16 oz. (455 mL), 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk. The product should remain sealed before storage. The shelf life of EcoLine Cleaner/Degreaser is up to 24 months.

Note: Please see the Material Safety Data Sheet (MSDS) for proper handling of product.

Toxicological Testing Results

Test Species	NOEC/LOEC, ppm*	48-hr LC50,ppm*
D.pulex	100/1000	200
P. promelas	100/1000	316

*LC50/EC50 - 50% of Lethal concentration/50% of Effective Concentration respectively.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec Corporation.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



Distributed by:

4119 White Bear Parkway, St. Paul, MN 55110 USA
Phone (651) 429-1100, Fax (651) 429-1122
Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com
Internet <http://www.cortecvci.com>

printed on recycled paper  100% post consumer
Revised 9/14/12. Cortec Corporation 2001-2012. All rights reserved. Supersedes: 5/31/11.
© 2012, Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited.
ISO accreditation applies to Cortec's processes only.