

# DUO CLEAN

## DESCRIPTION

Water-based, alkaline cleaning product. With active substances based on fruits oils, for replacement of VOC-products. NSF-registered for use as a general cleaner in and around food processing areas. Included in the Green Line premium product range and has 100% readily biodegradable content.

## PROPERTIES

- For manual cleaning, combined with cleaning cloth, brush or scrubber
- Ideal for use in ultrasound, immersion bath and cleaning boxes
- Combines the advantages of both water and solvent based cleaners and are safe on most surfaces such as steel, stainless steel, aluminium etc.
- Both ready-to-use and dilutable
- Effective surfactants and solvents from renewable fruit oils
- Free from phosphates and harmful solvents, 0% VOC
- Included in the Green Line premium product range
- High proportion bio-based, renewable ingredients
- High % of Readily Biodegradable content
- Chemical shift - excellent replacement to petroleum-based cleaning
- The 20L plastic bucket is made of 50% recycled HDPE

## FIELD OF APPLICATION

- Can be applied on several surfaces such as steel, stainless steel, aluminium, non-ferrous metals, etc
- Removes heavy contaminations such as rubber residues, rubber abrasion, fat, wax, bitumen, carbon black, oil carbon
- Extremely efficient cleaning of surfaces, from grease and oil (even burnt oil), pastes, graphite, rubber, bitumen, wax, fat, proteins and other remains in food industry
- Provides temporary corrosion protection that can be cleaned off easily

## USER INSTRUCTIONS

Effective already when cold, but cleaning effect increases dramatically when heated up to 30-40°C.

Ready to use but can also be diluted up to 1:50 (2%).

1. Apply manually or with brushes in ultrasound and cleaning stations
2. Rinse with water and/or wipe dry.

**Note!** Duo Clean is an emulsion, and at temperatures of  $\geq 45^{\circ}\text{C}$  the emulsion starts separating. It can be solved by continuous mixing. The problem with separation is a decrease in the effect.



DUO CLEAN – DCL – 17

Art.no. 25281, 25282, 25283,  
25284, 25286, 25287, 25283-20

Signature: JH

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## TECHNICAL DETAILS

|                                               |                                                                                                                                                                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Packaging:</b>                             | 500 ml plastic bottle Art.no. 25286<br>1 L plastic bottle Art.no. 25281<br>5 L Eco Box: Art.no. 25282<br>15 L Eco Box: Art.no. 25283<br>20 L plastic bucket: Art.no. 25283-20<br>200 L plastic barrel: Art.no. 25284<br>1000 L IBC tank: Art.no. 25287 |
| <b>Colour</b>                                 | Light yellow<br>It can vary slightly in colour and darken during storage; this has no impact on the cleaning effect or usage.                                                                                                                          |
| <b>Odor:</b>                                  | Light, fruity                                                                                                                                                                                                                                          |
| <b>Solvent:</b>                               | Water                                                                                                                                                                                                                                                  |
| <b>Surfactants:</b>                           | Nonanoic, Amphoteric                                                                                                                                                                                                                                   |
| <b>pH value</b>                               | Ca 10,7 (20°C)                                                                                                                                                                                                                                         |
| <b>Application &amp; Surface temperature:</b> | +15°C to +45°C<br>(when mixed continuously up to +55°C)                                                                                                                                                                                                |
| <b>Temperature resist:</b>                    | +5°C to +45°C<br>Avoid temp. below 0°C                                                                                                                                                                                                                 |
| <b>Density (20°C):</b>                        | 1.0 g/cm3                                                                                                                                                                                                                                              |
| <b>VOC (directive 2010/75 EG):</b>            | 0%                                                                                                                                                                                                                                                     |
| <b>Shelf life (temp.+5°C to +25 °C):</b>      | 24 months                                                                                                                                                                                                                                              |
| <b>Readily biodegradable content:</b>         | 100 %                                                                                                                                                                                                                                                  |
| <b>Disposal</b>                               | Duo Clean is not covered by regulations on dangerous waste. But please consider other contaminates in used wash water. Empty containers should be recycled according to material.                                                                      |
| <b>Accessories:</b>                           | Spray trigger 500ml: Art.no. 15250<br>Spray trigger 1l: Art.no. 15249<br>Tap 5l/15l Eco Box: Art.no. 35204<br>Tap 20l: Art.no. 35224<br>Tap 200l: Art.no. 35227<br>Pump 200l: Art.no. 35223<br>Air Mix Duo Clean: Art.no. 15215-3                      |
| <b>Miscellaneous:</b>                         | In compliance with the legal regulations, please see current Material Safety Data Sheet.<br><a href="https://veidec.com/en/msds">https://veidec.com/en/msds</a>                                                                                        |
| <b>User instructions:</b>                     | Scan the QR-code for MSDS, video and other information.                                                                                                                                                                                                |

### VEIDEC FEATURES



**GREEN LINE**  
Our premium product range with focus on the environment and health as well as quality.



**READILY BIODEGRADABLE**  
100% of the product is readily biodegradable.

### VOC FREE

The product doesn't contain volatile organic compounds.

**DEMULSIFYING**  
Rapid decomposition, doesn't disturb oil-separation.

### CERTIFICATES & REGISTRATIONS



Registered at NSF, products meeting the criteria for use in or around food-processing areas: category A1  
[VEIDEC NSF listing](#)



Registered at BASTA



Meets Kemikaliesvepets environmental requirements for car wash detergent.



Listed at ChemSec Marketplace, for safer alternatives to



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## DILUTION SCHEME

|                     | Dilution* | General cleaning                           | Cleaning vehicles                            | Special cleaning    |
|---------------------|-----------|--------------------------------------------|----------------------------------------------|---------------------|
| Heavy contamination | 1:1       | Cleaning after leakage in hydraulic system | Vehicles with residue of tarmac and tar etc. |                     |
|                     |           | Rubber marks/ Bitumen / Fatt / Sot         |                                              | Industrial cleaning |
|                     |           | Replaces organic solvents                  |                                              | Parts cleaner       |
|                     |           |                                            |                                              |                     |
| Dirt                | 1:5       | Everyday cleaning of surfaces in workshops | Standard car wash                            |                     |
|                     | 1:10      |                                            |                                              | Building facade     |
|                     |           |                                            |                                              |                     |
| Light dirt          | 1:20      | Sanitary surfaces, Kitchen                 |                                              |                     |
|                     | 1:30      | Surfaces in office                         | Everyday cleaning, e.g. taxi and busses      |                     |
|                     |           |                                            | Tires / Rims                                 |                     |
|                     | 1:50      | Floor scrubber                             |                                              |                     |

\*Dilution ratio, left is volume part of Duo Clean and right the mixtures total volume. Ex. 1:20 means 1 Liter Duo Clean should be mixed with 19 Liter water, that is a total of 20 Liter.

### Note!

You can save a lot of money by using Duo Clean correctly. The consumption of Duo Clean, water and energy reduce.

- Adjust the concentration as needed. Higher concentration does not always mean more effective cleaning.
- The right concentration saves water, by reducing the need for rinsing.
- Adjust temperature to need

| Criteria in the selection of cleaner                | Duo Clean | Water based general | Solvent based Petroleum |
|-----------------------------------------------------|-----------|---------------------|-------------------------|
| Price                                               | ☺         | ☺                   | ☺                       |
| Possible to dilute with water (cost per litre)      | ✓         | ✓                   | ✗                       |
| Sustainability & Renewable content                  | ✓         | ✓                   | ✗                       |
| Classification, NSF                                 | ✓         | ✗                   | ✗                       |
| Safe for users, skin and inhalation                 | ✓         | ✗                   | ✗                       |
| VOC internal/external requirements & target         | ✓         | ✓                   | ✗                       |
| Transportation, Storage & Fire safety               | ✓         | ✓                   | ✗                       |
| Cleaning power on oil                               | ✓         | ✗                   | ✓                       |
| Cleaning power on greases & lubricants              | ✓         | ✗                   | ✓                       |
| Cleaning power on fat, food & proteins              | ✓         | ✓                   | ✗                       |
| Cleaning power on wax, paint, bitumen, rubber       | ✓         | ✗                   | ✓                       |
| Multifunctional for use in HPW, scrubbing machines  | ✓         | ✓                   | ✗                       |
| Heat ability                                        | ✓         | ✓                   | ✗                       |
| Evaporation                                         | ✓/✗       | ✓/✗                 | ✓/✗                     |
| For use in ultrasonic cleaners and washing stations | ✓         | ✓                   | ✓/✗                     |
| Reusable in washing stations                        | ✓         | ✓                   | ✗                       |

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