

# CHEMTRONICS

## Technical Data Sheet

**TDS # 3277**

### Eco-Rite™ Multi-Purpose Cleaner

The eco-friendly, multi-purpose aqueous cleaner

#### PRODUCT DESCRIPTION

Environmentally preferable Eco-Rite™ Multi-Purpose Cleaner is a low environmental impact multi-purpose cleaner, specifically formulated for a variety of cleaning applications. This formulation is non-flammable and biodegradable, offering safe and efficient cleaning of a variety of surfaces. Available in a convenient, ready-to use trigger spray or a concentrate ready for dilution, Eco-Rite™ Multi-Purpose Cleaner is ideal for cleaning hard surfaces such as bench tops, counters, tool boxes, compressors, floors, hoists, lifts, engines, etc. The water-based cleaning solution quickly penetrates, emulsifies and lifts the toughest grime, without the environmental impact of high VOC's, caustic compounds, and butyl-based cleaners.

- Multi-purpose spray and wipe cleaning performance
- Removes oils, dirt, waxes and handling soils
- Non-flammable
- Biodegradable
- No Phosphates, EDTA, or NTA
- Non-caustics, non-acidic, no chlorine bleach, no abrasives
- No Carcinogens, Ozone Depleting Compounds
- No Petroleum Distillates
- No Alkylphenolethoxylates
- Butyl-free

#### TYPICAL APPLICATIONS

Eco-Rite™ Multi-Purpose Cleaner can be used for all repair, maintenance, and manufacturing cleaning applications including:

- Removes oils, handling soils and lubricants
- Ideal for metal parts cleaning and tools
- All repair and maintenance cleaning
- Used to clean grease and other soils from a variety of surfaces such as:
  - Stainless Steel, Chrome
  - Plastics
  - Ceramics and enamel

#### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

|   |                                    |
|---|------------------------------------|
| <b>Boiling Point</b>                      | 212° F (Initial)                   |
| <b>Evaporation Rate (butyl acetate=1)</b> | <1                                 |
| <b>Flash Point (TCC)</b>                  | None                               |
| <b>Specific Gravity</b>                   | 1.01 / 1.02<br>(RTU / concentrate) |
| <b>Appearance</b>                         | Clear, colorless liquid            |
| <b>Odor</b>                               | Mild, Clean                        |
| <b>Solubility in Water</b>                | 100%                               |
| <b>pH</b>                                 | 9.68                               |
| <b>Shelflife</b>                          | 2 years                            |
| <b>CARB &amp; OTC VOC Content</b>         | 0.0% VOC                           |
| <b>SCAQMD VOC Content</b>                 | 87 g/L trigger sprayer RTU         |

\*Volatile Organic Compound (VOC) information is calculated on a weight basis using the VOC definition of California Air Resources Board (CARB) Consumer Product Regulations, South Coast Air Quality Management District (SCAQMD) Rule 102 and the Federal definition published in 40 CFR 51.100(s).

#### COMPATIBILITY

Eco-Rite™ Multi-Purpose Cleaner is compatible with most metals and plastics. As with any solvent, compatibility with substrate should be determined on a non-critical area prior to use.

| <b>Material</b> | <b>Compatibility</b> |
|-----------------|----------------------|
| ABS             | Excellent            |
| Buna-N          | Excellent            |
| Butyl           | Excellent            |
| EPDM            | Excellent            |
| Graphite        | Excellent            |
| HDPE            | Excellent            |
| PVDF            | Excellent            |
| LDPE            | Excellent            |
| Lexan™          | Excellent            |
| Neoprene        | Excellent            |
| Noryl®          | Excellent            |
| Nylon™ 66       | Excellent            |
| Polycarbonate   | Excellent            |
| Polypropylene   | Excellent            |
| Polystyrene     | Excellent            |
| PVC             | Excellent            |
| Silicone Rubber | Excellent            |
| Teflon™         | Excellent            |

## TECHNICAL & APPLICATION ASSISTANCE

Chemtronics provides a technical hotline to answer your technical and application related questions. The toll free number is **1-800-TECH-401**, or e-mail us at [AskChemtronics@chemtronics.com](mailto:AskChemtronics@chemtronics.com).

## SAFETY & ENVIRONMENTAL DATA

| SAFETY & ENVIRONMENTAL DATA |      |                  |                        |
|-----------------------------|------|------------------|------------------------|
| CFC                         | 0.0% | VOC - CARB & OTC | 0.0%                   |
| nPB                         | 0.0% | VOC - SCAQMD     | 86 g/L trigger sprayer |
| HCFCs                       | 0.0% | HFC              | 0.0%                   |

CFC, HCFC, CL. SOLV., VOC, and HFC numbers shown are the content by weight. Ozone depletion potential (ODP) is determined in accordance with the Montreal Protocol and U.S. Clean Air Act of 1990. The ODP of this product is 0.0. It is the sum of the ODP of the substances that may contribute to the depletion of stratospheric ozone, based upon the weight of each substance in the product's formulation.

### NOTE:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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**KENNESAW, GA 30152**

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REV D (08/13)

## USAGE INSTRUCTIONS

**Read MSDS carefully prior to use.**

Spray Eco-Rite™ Multi-Purpose Cleaner on the surface to be cleaned. Wipe away soils with a Controlwipes™ Wipe, or rinse with clean water.

Can be used in hot or cold immersion, ultrasonic or aqueous cleaning systems. For immersion systems, soak as necessary. Parts can also be cleaned with a pressure sprayer by spraying parts from top to bottom, allowing the liquid to flush away dirt and dissolved grease.

| <b>Dilution ratios for concentrate:</b> | <b>Water : Conc</b> |
|---|---------------------|
| Heavy grease, oxidized oils and grime   | 2:1                 |
| Fiberglass, Plastics                    | 4:1                 |
| General cleaning                        | 8:1                 |
| Dip tanks                               | 8:1                 |
| Parts washers                           | 16:1                |
| Ultrasonic cleaners                     | 16:1                |
| Pressure cleaning systems               | 60:1                |

## AVAILABILITY

|         |                             |
|---------|-----------------------------|
| ES3277  | 32 oz trigger sprayer       |
| ES3277E | 0.95 L trigger sprayer      |
| ES177   | 1 gallon concentrate        |
| ES177E  | 3.7 L concentrate, EU Label |

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