April 2022

Tough Orange

Extra Heavy Duty Degreaser APPLIED ATOOR

Description:

An extra heavy duty water based liquid cleaner and degreaser containing natural citrus solvents, which is specifically formulated as a natural replacement for hydrocarbon solvent based degreasing systems.

Intended Use:

Tough Orange safely removes heavy deposits such as grease, oil, diesel exhaust stains, dirt, gum and grime from all washable surfaces. Ideal for use as a General Purpose Detergent and Water Based Degreaser in all Heavy & Light Vehicle/Industrial Workshops;

Tough Orange provides a highly effective degreasing product. Tough Orange in combination with Bulldog Gold (applied via Applied's Bio Clean application systems), provides a superior cleaning and degreasing process to most solvent hydrocarbon processes.

Product features:

Cost Effective – Up to 1:60 dilutions.
Fast acting
Caustic free
Non corrosive
Non flammable
Effective in hard water
Environmentally friendly – phosphate free

Typical Physical Properties:

Technical data should be considered representative or typical only and should not be used for specification purposes.

Appearance:	**Thin water based liquid.**
Fragrance:	**Clear orange**
Odour:	**Mild citrus**
pH (Concentrate):	**13.4**
pH (Dilution of 1%):	**11.3**
Specific Gravity ($g.cm^{-1}$):	**1.04**
Flashpoint:	**Nil (non-flammable)**
Biodegradability:	**Conforms to AS1792-1976**
Solubility in water:	**Miscible in all dilutions**
Storage:	**-1°C - 59°C**
Shelf Life:	**1-year minimum**
Quick break:	**Within 8 minutes**

Directions for Use:

Mining - Heavy & Light Vehicle Degreasing and Diesel Engine Degreasing

1. Apply as received via Low Volume/Low Pressure spray or High Volume/High Concentration foaming system, and leave in contact with surface for 5-10 minutes.
2. Assist the process with manual scrubbing if necessary and rinse with high pressure water (preferably hot).
3. Tough Orange can be diluted to 1:60 depending on the severity of grease/oil deposition.

Mine Workshop Floor Cleaning

1. Apply as received via Low Volume/Low Pressure spray or High Volume/High Concentration foaming system, and leave in contact with surface for 5-10 minutes.
2. Assist the process with manual scrubbing if necessary and rinse with high pressure water (preferably hot).
3. Tough Orange can be diluted to 1:60 depending on the severity of grease/oil deposition.

AUSTRALIA
ITW Polymers & Fluids
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NEW ZEALAND
ITW Polymers & Fluids
Unit 2 / 38 Trugood Drive, East Tamaki 2013, Auckland
Phone: 0800 476 265
www.itwpf.co.nz

Factory Machinery and Equipment

1. Dilute 1 part with 5-10 parts water depending on degree of soil.
2. Allow the product to remain in contact with surface for 2-3 minutes.
3. Assist with manual scrubbing brush if necessary.

Pressure Washers / Steam Cleaners

1. Recommended end use dilution for heavy duty cleaning 1:30. Medium duty cleaning 1:50. Final concentration depends on type and severity of soiling.

Vinyl Floor Cleaning

1. Dilute 1 part with 30-60 parts water depending on soil to be removed. Scrub and rinse thoroughly.

Floor Stripping (floor polish removal)

1. Dilute 1 part with 5 parts of warm/hot water.
2. Allow the product to remain in contact with surface for 5 minutes then scrub with floor machine.
3. Rinse with warm/hot water.

Terrazzo, Ceramic & Quarry Tiles

1. Dilute 1 part with 30-60 parts of hot water depending on soil to be removed.
2. Scrub and rinse thoroughly with clean water.

Plastic and Vinyl Upholstery

1. Dilute 1 part with 10-20 parts of water.
2. Spray or wipe on, and wipe off with clean cloth.

IMPORTANT NOTE: High concentrations of TOUGH ORANGE can attack painted surfaces and polished aluminium. Do not allow the product to dry on these surfaces. If in doubt, then test degrease/clean a small inconspicuous area before use especially before using product undiluted. Certain rubbers may be affected by the concentrate after prolonged contact

Storage: Store at -1°C - 59°C.

Compliances: none

Precautions: Please refer to appropriate safety data sheet (SDS) prior to using this product.
For technical assistance, please call 1800-063-511
FOR INDUSTRIAL USE ONLY

Warranty: Applied will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

Disclaimer: All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Polymers & Fluids and Applied makes no representations or warranties of any kind concerning this data.

Order Information:

ATOOR-15	Applied Tough Orange 15 L
ATOOR-200	Applied Tough Orange 200 L
ATOOR-1000	Applied Tough Orange 1000 L (IBC)

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