

PRODUCT INFORMATION



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The Applied Group of Companies has Offices in: Australia, New Zealand, Asia & Europe.

APPLIED TOOR TOUGH ORANGE

PRODUCT DESCRIPTION AND USE:

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. 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 BioClean application systems), provides a superior cleaning and degreasing process to most solvent hydrocarbon processes.

BENEFITS:

Cost Effective

Highly dilutable for a wide range of cleaning tasks. Dilution's vary from use as received, 1:5 parts water for spray and wipe, and up to 1:60 parts water for surface washing.

Fast Acting

Rapidly emulsifies tough soils such as grease and oil.

Caustic Free

Minimises OH&S risks during application and risk of damage to washable surfaces.

Non Corrosive

Safe to use on all metals.

Non flammable

Water based with natural solvency hence does not have a Flashpoint.

Effective in hard water

Cleans efficiently in all water conditions.

Environmentally Friendly

Does not contain phosphates and the TOOR **Quick break** formulation enables emulsified oils and grease to be removed by interceptors such as grease traps and Coalescing Plate Separator/Triple Interception systems.

For use on all washable surfaces including Heavy/Light Vehicles, Workshop Floors, Heavy and Light equipment, Engines, large automotive parts, exhaust baffles, metal fixtures, vinyl and plastic surfaces. Can be applied via High Volume Foamers, Low Volume/Low Pressure Spray Applicators, pressure washers, steam cleaners and manual application methods.

PRODUCT CHARACTERISTICS:

Appearance	Thin water based liquid
Fragrance	Clear Orange
Odour	Mild citrus
pH (Concentrate)	13.4
pH (Dilution of 1%)	11.3
Specific Gravity (gm/cm3)	1.04
Flashpoint (oC)	Nil (non flammable)
Biodegradability	will conform to AS 1792-1976
Solubility in water	Miscible all dilutions
Storage	-01 °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

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. Assist the process with manual scrubbing if necessary and rinse with high pressure water (preferably hot). Tough Orange can be diluted to 1:60

depending on the severity of grease/oil deposition.

Mine Workshop Floor Cleaning

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. Assist the process with manual scrubbing if necessary and rinse with high pressure water (preferably hot). Tough Orange can be diluted to 1:60 depending on the severity of grease/oil deposition.

Factory Machinery & Equipment

Dilute 1 part with 5-10 parts water depending on degree of soil. Use spray on/wipe off or swab on/rinse off method. Allow product to remain in contact with surface for 2-3 minutes. Assist with scrubbing brush if necessary.

Pressure Washers/Steam Cleaners

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

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

Floor Stripping (floor polish removal)

Dilute 1 part with 5 parts warm/hot water. Allow solution to remain on surface for 5 minutes then scrub with floor machine. Rinse with warm/hot water.

Terrazzo, Ceramic & Quarry Tiles

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

Plastic & Vinyl Upholstery

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

PRECAUTIONS

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.

Dilutions

As per directions for use

HANDLING PRECAUTIONS:

HAZARDOUS

Alkaline Liquid, Irritating to eyes and skin. Wear safety glasses & suitable gloves when handling. Refer to label or MSDS for further safety information.

For further information, please consult the Materials Safety Data Sheet.