

DIRECTIONS FOR USE:

Problem: Degreasing Mechanical Parts, Engine Blocks, Removing Oil, Greases, Carbon, Paraffin, Liquid Paints and Uncured Resins

Dilution: 1:3 or 1:5

1. Spray the surface to be cleaned with diluted TRAMOS Economic.
2. Allow 30-60 seconds for the product to work.
3. Remove dirt with stiff brush or other abrasive scouring pad.
4. Rinse with water.
5. Wipe dry with clean absorbent towels or, if necessary, use compressed air to dry thoroughly.

Problem: Oxygen Pipe Cleaning

Dilution: 1:3 (at 80°C / 176°F for pipe cleaning)

1. Circulate heated and diluted TRAMOS Economic using a high pressure closed circuit machine for 45 minutes.
2. Rinse the piping system with clean warm water.
3. Dry the piping system with slightly heated nitrogen. A vacuum pump may be needed to be sure all water is removed.

Problem: Oxygen Equipment Cleaning

Dilution: 1:3

1. Spray parts or surfaces with diluted TRAMOS Economic.
2. Scrub with brush or sponge.
3. Rinse well with clean water.
4. Dry with compressed air or nitrogen to assure no residual rinse water remains.

Cleaning Trains, Streetcars, Busses, Ferries

Problem: Black deposits on top of trains (electrical)

Dilution: 1:5 initially; may be reduced to 1:30 after several applications

1. Spray diluted TRAMOS Economic on surfaces and thoroughly agitate with a brush.
2. Allow 15 minutes for product to work after agitating with brush.
3. Rinse well with water and repeat a 2nd time if necessary.

Problem: External washing of all vehicles

Dilution: 1:5 initially; may be reduced to 1:30 after several applications

1. Spray diluted TRAMOS Economic on vehicle, starting from the bottom to the top (to prevent streaking).
2. Brush it in (agitation or scrubbing is important).
3. Rinse well with water.

Problem: Cleaning Floors

Dilution: 1:10, prepared with warm water.

1. Remove wax or polish protection first.
2. Spray floor with diluted TRAMOS Economic.
3. Brush it in to remove dirt.
4. Rinse well with water.

Problem: Cleaning fabric or plastic seats

Dilution: 1:10

1. Spray surfaces with diluted TRAMOS Economic.
2. Brush it in with a small, short bristle brush.
3. Remove the dirt with a clean sponge or upholstery cleaning machine.
4. Let dry.

Other Cleaning Applications

Problem: Cleaning Ceilings, Walls, Floors, Bathrooms, Kitchens, Carpet, Upholstery, Outdoor Furniture, Boat Decks and Hulls, Office Equipment

Dilution: 1:10, 1:30 or 1:50

1. Spray the surface to be cleaned with diluted TRAMOS Economic.
2. Allow 30-60 seconds for the product to work.
3. Remove dirt by sponge or brush.
4. Rinse with water.
5. Wipe dry with clean absorbent towels.

Problem: Cleaning cars, windows, mirrors or other bright surfaces

Dilution: 1:150 or 1:200 (approximately 3 capfuls in 2½ - 3 gallons of water)

1. Spray the surface to be cleaned with diluted TRAMOS Economic.
2. Allow 30-60 seconds for the product to work.
3. Remove dirt with sponge or towel.
4. Rinse with water.
5. Wipe dry with clean absorbent towels.

NOTES FOR USING TRAMOS ECONOMIC

- Whatever system is used for cleaning with TRAMOS Economic, a mechanical action (brush, sponge, aeration of solution, ultrasonic, etc.) is required to break the surface tension of the dirt. Just soaking for an extended time will **not** be sufficient for cleaning.
- TRAMOS Economic may be safely used in cleaning fountains, immersion or ultrasonic baths, parts washers, high-pressure cleaners, and other industrial cleaning machines
- TRAMOS Economic is not flammable and can be safely heated. For immersion or ultrasonic baths we recommend 50°C/122°F to minimize the evaporation rate.
- TRAMOS Economic is highly concentrated. If the product is not sufficiently diluted, a white haze or stripes can be left after drying especially on very smooth or shiny surfaces. This haze will disappear when the surface is treated again with the correct dilution.
- Rinsing all parts, pipes and surfaces is important so no residue remains. Rinsing with warm water is not necessary but will enhance the drying process.

STANDARDS

Meets European Community (EC) directives concerning biological degradability of surface-active substances.

OTHER TRAMOS PRODUCTS

TRAMOS Stripper - Paint removal including graffiti

TRAMOS Heavy Duty Cleaner - Heavy petroleum products such as tar and asphalt

TRAMOS Industrial - General cleaning applications requiring corrosion inhibition

TRAMOS Industrial Gel - Gel form of Ryzolin Industrial for difficult-to-coat surfaces

TRAMOS Aircraft Cleaner - Conforms to aircraft specifications

TRAMOS Aero Tech 2000 - Conforms to turbine engine cleaning specifications

DILUTION GUIDELINES

TRAMOS Economic is effective *only* when diluted with water. The following dilution guideline provides suggested dilution ratios (TRAMOS Economic : Water). This list is representative only and should be considered only a guideline. Proper dilution ratios for specific applications should be determined by evaluative testing. Repeated use of TRAMOS Economic on a surface may allow more dilute solutions to be applied.

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| 1:3 Completely degrease extremely dirty surfaces or remove liquid paints, uncured resins or paraffins. Manual cleaning operations using spray bottle with brush or sponge. | 1:10 Clean ceilings, walls, doors, bathrooms and kitchens, office furniture and equipment; spot clean upholstery & carpets, industrial floors. For restaurant & food service equipment dilute with warm water (> 38°C/ 100°F). |
| 1:5 Clean very dirty wall tiles, engines, soot or carbon deposits, machinery or mold. Remove grease or oil, clean paintbrushes. Recommended dilution for use in degreasing baths or immersion systems. Cleaning Oxygen Pipes with closed high-pressure circulation process | 1:20 For use with high pressure sprayers when cleaning engine blocks |
| 1:8 Remove nicotine deposits or insects. Clean exhaust systems. | 1:30 Use in floor cleaning machines, carpet cleaning machines, and on outdoor furniture |
| | 1:150 Washing cars or windows; cleaning mirrors and other shiny surfaces |
| | 1:200 For commercial car washes with brush |