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TECHNICAL BULLETIN

STATEMENT OF USE

MA-CLEAN OLG is a specially formulated machine cleaner to remove oligomers, oils and dyestuff residues from dyeing machines. **MA-CLEAN OLG** is also effective in the removal of oligomer residue from polyester fibers.

TYPICAL PROPERTIES

Chemical Composition	Blend of surfactants
Appearance	Clear, yellow liquid
Ionic Nature	Slightly cationic
pH (10%)	8.5 ± 0.5
Solubility	Readily soluble in water
Density, lb/gal	Approx. 8.5
Compatibilities	Compatible with nonionic and cationic auxiliaries. Its use with anionics can cause precipitation.
Storage Stability	A slight haze may develop upon standing which does not affect product performance.

ADVANTAGES

Oil emulsification	Rapid emulsification of oils in the dyeing machine in an alkaline bath. These oils coat the dye and fiber residues and must first be emulsified before chemical action can take place on these residues.
Oligomer and lint removal	Catalyzing effect with NaOH to rapidly solubilize fiber lint and oligomers deposited in the dyeing machine. This action allows not only a shortening of the time required to clean the machines, but also a considerable reduction of the amount of alkali needed.
High Foaming	Foams well under atmospheric conditions or under pressure to clean all areas inside the dyeing equipment.
Oligomer Removal From Fiber	Excellent surface removal of fiber oligomers when used in alkaline reduction afterclearing.

APPLICATION

A. Removal of Oligomers from the Dyeing Machines

The dyeing machines to be cleaned are filled with water and the following amounts are added:

	Grams/Liter
MA-CLEAN OLG	4 – 6
Sodium Hydroxide (50%)	2 – 3
Sodium Hydrosulfite (optional)	1 – 2

Heat up to 260 - 270° F and run for 20 - 40 minutes (depending on the amount of deposits). For atmospheric machines, heat to 180 - 200° F and run for 30 - 45 minutes.

If possible, hot drain first and rinse; otherwise, cool the cleaning bath down to approximately 195° F, then drain and rinse.

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