

Trichloroethylene is designated as a "Substance of very high concern" by REACH

## Substitute for Trichloroethylene / Dichloromethane

Water-based cleaning agent

# *e Aqua21*

**Lower environmental burden with the same detergency  
as trichloroethylene and dichloromethane**

*Lower BOD and COD reducing  
waste water treatment process*



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- Degreases mineral-oil-based or water-based processed oils
- Cleans used abrading agents

## e Aqua21 A-01

"e Aqua 21 A-01" is a water-based detergent for metal parts, substrate glass/resins, or optical lenses. It performs a high detergency as well as contributes to reducing waste water treatment process with lower BOD and COD compared to other company's products. It produces minimal foam and any residue is easily rinsed off.

### Application

- Degreasing metal parts, removing adhesive after peeled off labels
- Cleaning glass, resin substrate, and optical lenses after the polishing process or before film formation process
- Cleaning ceramics after the polishing process, etc.

### Features

- Lower BOD and COD and less foam contributing to easy waste water treatment
- Used after diluting contributing to lower running cost

Waste water treatment (rinse with water if using 5 % vol 21 A-01)

(Unit : mg / liter )

	e Aqua 21 A-01 (Estimate) <sup>*1</sup>	Thailand <sup>*2</sup>	China <sup>*3</sup>	Japan <sup>*4</sup>
BOD(Biochemical oxygen demand)	13 and below	20	15	120
COD cr (Chemical oxygen demand)	14 and below	60	60	120

\*1 : It depends on certain conditions.

\*2 : Notification by the Ministry of Science, Technology and Environment No. 3/1996 under the 1992 Environmental Quality Promotion Act.

\*3 : Shanghai Environmental Protection Bureau, Waste Water Quality Standard No. DB31/199-2009 issued by the Shanghai Municipal Bureau for Quality and Technical Supervision.

\*4 : National Waste Water Quality Standard (February 1975), waste water quality standard according to the Water Pollution Control Law.

### How to use

- Dilute with water (generally, 0.5~5.0 % vol)
- Temperature: Ambient temperature ~ 50°C
- If you intend to use the product in any manner other than the above, please contact us.

### PRTR Law, Industrial Safety and Health Law

- Chemical Substance Control Promotion Law (PRTR Law) : Not applicable
- Chemical substances subject to notification (Article 57-2 of the Industrial Safety and Health Law): Not applicable.

### Packaging

- 200L/drum and 20L/plastic container.

### Chemical properties

Product group	Alkali cleaning solvent containing surfactant	Flash point (°C)	None
Ingredients	Surfactant, chelating agent, water, etc.	Gravity (25°C)	1.04
Appearance	Colorless ~ Pale yellow liquid	pH	12.8
Odor	Intrinsic odor	Solubility	Easily soluble in water
Environmental effects	BOD (0.5%soln) 130mg/L COD (0.5%soln) 140mg/L		

Note) Any content in this brochure may be changed without notice. We do not guarantee of the data herein.

It is the user's responsibility to test the product before use and ensure that it is suitable for the intended purpose.

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