



**Diamond**  
Diamond Overseas Trading Co

# WINDOW GLASS CLEANER FORMULATIONS



D-067

# WINDOW GLASS CLEANER

ANTI-STEAM EFFECT

## GUIDELINE FORMULARY

### DESCRIPTION

Window glass cleaner  
Anti-steam effect  
No rinse is necessary

### COMPOSITION

	%
FINDET® 10/18	0.50
TETRANYL® DM-24	0.15
Isopropyl Alcohol	20.0
KAO Fragrance	q.s.
Dye(s)	q.s.
Preservative	q.s.
Deionized Water	Up to 100

### TECHNICAL CHARACTERISTICS

### Kao Method

APPEARANCE (20°C):	Clear viscous liquid	KCSA-258
pH (as it is):	Approx. 7.0	KCSA-014
VISCOSITY BROOKFIELD (20°C,cP):	Liquid	KCSA-227
SURFACE ACTIVE CONTENT (%):	Approx. 0.65	KCSA-246
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

## RECOMMENDED OPERATIVE METHOD

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Process carried out at room temperature.

Add Isopropyl Alcohol to the deionized water.

Add FINDET® 10/18 and stir complete homogenization.

Add TETRANYL® DM-24 and stir until it is completely dissolved.

Add preservative and stir until complete homogenization.

## COMMENTS

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Dye(s) must be compatible with cationic surfactants

Isopropyl alcohol can be replaced by other solvents e.g EtOH or Propilenglycol. Similar quantities have to be used.

## COMPONENTS

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**FINDET® 10/18** (Deceth-6, ≈ 100% a.m.): non-ionic character. Detergent, degreaser and emulsifier. Very good wetting agent

**TETRANYL® 511K** (PEG-11, Tallow Ammonium Methosulphate ≈ 100% a.m.): cationic character. It performs as anti-static in detergent compositions for industrial applications. It avoids steam formation on glass surface.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose.

Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

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Ref.

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D-226

# WINDOW GLASS CLEANER

SPRAY

## GUIDELINE FORMULARY

### DESCRIPTION

Suitable for cleaning glasses without leaving residues  
With bio-alcohol and shining effect  
No rinse is needed

### COMPOSITION

	%
LEVENOL® F-200	0.6
Ethanol	10.0
Propyleneglycol	10.0
KAO Fragrance	q.s.
Preservative	q.s.
Deionized Water	Up to 100

### TECHNICAL CHARACTERISTICS

### Kao Method

APPEARANCE (20°C):	Transparent liquid	KCSA-258
pH (as it is):	4.0 - 6.0	KCSA-014
VISCOSITY BROOKFIELD (20°C,cP):	< 50	KCSA-227
SURFACTANT ACTIVE CONTENT (%):	Approx. 0.6	KCSA-246
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

## RECOMMENDED OPERATIVE METHOD

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Charge water.

Add Ethanol and Propyleneglycol, stirring after each addition.

While stirring, add LEVENOL® F-200.

Continue with the addition of other additives: preservatives, fragrance, dye (diluted in water), following supplier's recommendation.

Finally, unload the product.

## COMPONENTS

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LEVENOL® F-200 (Glycereth-6 Cocoate, ≈ 100% a.m.): non-ionic character. Mild surfactant with detergent power performance similar or even better than standard non-ionic surfactants. Medium foaming and good hydrotropic & wetting properties that allow the reduction of solvents. Eco-toxicologically friendly. It doesn't need any risk sentences or warnings on its label.



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