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ES1

Nonionic surfactant system for extremely high electrolyte/ high alkaline systems

COST / PERFORMANCE

- Ideal for formulating concentrates
- Often is the only surfactant required
- Provides good degreasing
- Waste oils/insolubles rapidly break from used solution, allowing for easier oil separation in grease traps
- Good rinsing properties
- Remains soluble upon dilution

ENVIRONMENT / HEALTH & SAFETY

- Readily biodegradable
- Excellent aquatic toxicity profile

PERFORMANCE

USES & APPLICATIONS

- Printing press cleaners
- Asphalt release agent
- Frictionless/touchless presoaks
- Truck wash
- Heavy equipment cleaners
- Oven cleaners
- Barbecue cleaners
- Water based degreasers

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SUGGESTED STARTING FORMULATIONS

CAR & TRUCK TOUCHLESS PRE-SOAK CONCENTRATE

(Dilute 80-120:1)

Water.....45.0%
EDTA liquid 40%.....35.0%
Metso Granular.....6.0%
KOH 45%.....6.0%
ES1*.....8.0%

Cloud pt: >55°C

CAR & TRUCK TOUCHLESS HYPERCONCENTRATE

(Dilute 180-200:1)

Water.....28.0%
EDTA liquid 40%.....40.0%
Metso Granular.....6.0%
KOH 45%.....6.0%
ES1*.....15.0%
SXS40.....5.0%

Cloud pt >54°C
Other dilutions: 5 gal. to 25 gal.
Then dilute 25–40:1

HIGH CAUSTIC CIP CLEANER

Water.....53.0%
NaOH 50%.....40.0%
Sodium glucoheptonate.....1.0%
ES1*.....6.0%

* denotes Win product

iDATA℠ assist

HELP!

Need assistance in developing a custom solution?
Win has a full-service lab that can collaborate with you and help you meet your cost, performance and environmental objectives! **Click the HELP! icon** and let us earn the right to invest in your success!

PRODUCT SPECIFICATIONS

Appearance:	Clear amber liquid
pH (Conc):	10.0 – 12.5
Specific gravity @ 25°C:	1.09+/-0.02
Activity, %:	77 typical
Cloud Point (10% solution in 25% Active NaOH):	26–34°C

PACKAGE & HANDLING

ES1 is available in:
- Bulk
- 55 gallon plastic drums (net wt. 450 lbs)
- 5 gallon pails (net wt. 40 lbs)

REGULATORY / TOX INFORMATION

DOT/TDG classification: Non-Regulated