PIF 01486

ER-190

SUPER CONCENTRATED EMULSION REMOVER

DILUTES UP TO

1:90

CHEMICAL : WATER

pH 0.5–1.5 (1%) | Super concentrate | Built-in degreaser | 0% VOC

Textile Printing | Graphics Printing | Manual

DESCRIPTION

ER-190 is a super concentrated emulsion remover that removes emulsions and capillary films from screens. Degreasing and wetting agents leave the screen degreased and ready to use, cutting extra steps. Diluted 1:90 with water, one 8 oz bottle makes over 5 gallons of ready-to-use remover.

ADVANTAGES

Super Concentrated
1 gal makes up to 91 gal (1:90 with water)

Fast Acting
Works in 30 seconds to 3 minutes

Built-In Degreaser
Leaves the screen degreased and ready to use

0% VOC, Not Flammable
No VOCs by weight; no flash point

DIRECTIONS

- Dilute 1:45 to 1:90 with water, by emulsion type and method. Mix in a plastic container. Do not mix with other chemicals.
- Spray evenly onto the print side of the screen; for hard emulsions, apply to both sides.
- Let stand 30 seconds to 3 minutes, by emulsion type and hardness.
- Rinse with medium- to high-pressure cold water, then a final rinse; let dry completely before recoating.
- Corrosive oxidizer: wear goggles, a face shield and chemical-resistant gloves; keep the concentrate away from combustible materials.

1 gal · 4 × 1 gal
B1001 · C4501

20 × 8 oz
01486-C0805

USE DILUTION & YIELD

RATIO	OZ PER GAL	8 OZ MAKES	1 GAL MAKES	COST PER GAL OF USE
1:45	2.8 oz	2.9 gal	46 gal	$14.64
1:60	2.1 oz	3.8 gal	61 gal	$11.04
1:75	1.7 oz	4.8 gal	76 gal	$8.86
1:90	1.4 oz	5.7 gal	91 gal	$7.40

Ratio = chemical : water. Volumes are calculated from the ratio. Cost per gallon of working solution based on the 4 × 1 gal case at MSRP ($673.27/gal, effective July 3, 2026); your distributor price may differ.

AVAILABLE PACK SIZES

ITEM NO.	PACK SIZE	DOT
01486-C4501	4 × 1 gal	UN3093, 8, PG II
01486-B1001	1 gal bottle	UN3093, 8, PG II
01486-C0805	20 × 8 oz	Limited Quantity

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Read the product label and Safety Data Sheet before use. Orders: 800-752-6627 · sales@kor-chem.com

SCAN FOR SDS
kor-chem.com/sds

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ER-190

WHERE IT FITS IN THE RECLAIM PROCESS

1 INK REMOVAL
Bio-1 · Bio-4 · Bio-11

› 2 EMULSION REMOVAL
ER-190 (this product)

› 3 STAIN REMOVAL (HAZE)
GIR-4U Plus · Pink Scrub · Bio-1

› 4 DEGREASE
ER-190 (this product)

TYPICAL PRODUCT CHARACTERISTICS

Appearance	Colorless, clear liquid	**Flash point**	Not flammable
Odor	Acidic	**VOC**	0% by weight
pH (1% solution)	0.5–1.5	**Evaporation rate**	<1 (n-butyl acetate = 1)
Specific gravity	1.465	**Solubility in water**	Complete
Weight, per U.S. gallon	12.2 lb	**Stability**	Stable

SAFETY & HANDLING

HAZARDS (GHS)

- May intensify fire; oxidizer (H272)
- May be corrosive to metals (H290)
- May be harmful if swallowed (H303)
- Causes severe skin burns and eye damage (H314)
- Mists are corrosive to the respiratory tract

FIRST AID

- **If swallowed:** Do NOT induce vomiting. Call a physician immediately. Rinse mouth, then give 1–2 glasses of water.
- **If on skin or hair:** Remove contaminated clothing. Wash immediately with soap and water for at least 15 minutes. Get medical attention immediately if irritation persists.
- **If inhaled:** Move to fresh air; keep at rest. Call a poison center or doctor immediately.
- **If in eyes:** Flush with water for at least 15 minutes, holding eyelids open. Remove contact lenses. Get medical attention immediately.

PROTECTIVE EQUIPMENT

- **Eyes:** Safety glasses with side shields or splash-proof goggles, and a face shield.
- **Hands & body:** Chemical-resistant (impervious) gloves, apron and boots.
- **Breathing:** Use only in a well-ventilated area. NIOSH-approved respirator if vapors cause irritation or mists are generated.

STORAGE & DISPOSAL

- **Shelf life:** 1 year minimum at 75°F in the original closed container.
- Keep from freezing.
- **Lot number:** bottom right corner of every label, a Julian date followed by the item number.
- Oxidizer: keep only in the original container, tightly closed, locked up. Keep from heat and sunlight, away from reducing agents, strong acids and combustibles.
- **Disposal:** Do not dump into sewers, on the ground or into waterways. Dispose of per federal, state and local regulations. Waste may be RCRA D002 (corrosive).

Safety information summarized from the ER-190 Safety Data Sheet. The SDS governs; see it for full precautions.

REGISTRATIONS & COMPLIANCE

GHS signal word	DANGER
VOC	0% by weight
California SCAQMD Rule 1171	Compliant
California Prop 65	Contains no listed chemicals
DOT, ground	UN3093, Corrosive liquid, oxidizing, n.o.s. (periodic acid), 8 (5.1), PG II. 8 oz bottles (20 × 8 oz case) ship as Limited Quantity (PG II limit is 1 L per inner container).
Air and vessel	IATA / IMDG: UN3093, 8 (5.1), PG II

ORDERING & SUPPORT

- **Orders:** 800-752-6627 · sales@kor-chem.com · shop.kor-chem.com
- **SDS:** scan the code below or visit kor-chem.com/sds
- **Find a distributor:** kor-chem.com/distributor-locator
- **Technical service:** our screen printing team can help set the dilution and dwell time for your emulsion and screens.
- **Next step:** remove remaining stains (haze) with GIR-4U Plus, Pink Scrub or Bio-1; degrease with DG-520 if needed.
- **Equipment:** Kor-Chem also supplies dip tanks, spray guns, scrub pads and InPro TigerClean automatic screen reclaiming systems.
- **Made in Atlanta:** manufactured by Kor-Chem, Inc., Atlanta, Georgia.

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