PIF 01459

BIO-1

INK REMOVER, STAIN REMOVER & DEGREASER

READILY BIODEGRADABLE

71.6%

IN 28 DAYS · OECD 301D

Use as supplied | 60.6 g/L VOC | Bubblegum scent

Textile Printing · Graphics Printing · Eco-Friendly · Manual

DESCRIPTION

Bio-1 is an ink degradent, stain remover and degreaser in one product. It dissolves plastisol, UV, conventional/solvent-based, water-based, enamel, electronic, epoxy and vinyl inks on contact, and its built-in stain remover lifts image stains without harming the mesh. Bio-1 rinses freely with water and has a pleasant bubblegum scent.

ADVANTAGES

Triple Action
Cleans ink, removes stains, degreases mesh

Works on Graphic & Textile Inks
Plastisol, UV, solvent, water-based, epoxy, vinyl

Readily Biodegradable
71.6% in 28 days (OECD 301D)

Low VOC
60.6 g/L, under the SCAQMD 100 g/L limit

DIRECTIONS

- Card excess ink off the screen first. Works best on dry screens.
- Spray the ink side of the screen in a light, even pattern, as supplied.
- Agitate the ink with a brush or cloth.
- Rinse with a cold-water, low-volume, high-pressure rinse.
- Wear gloves and eye protection; use with good ventilation, away from heat and flame.

COST PER SCREEN

FL OZ PER SCREEN	SCREENS PER GAL	SCREENS PER DRUM	COST PER SCREEN
0.5 fl oz (reference)	256	14,080	$0.16
1 fl oz	128	7,040	$0.31

Reference use: 0.5 fl oz per screen, about 15 trigger sprays at 1 ml per spray, for $0.16 per screen. Cost = fl oz used × $0.31 per fl oz ($39.92/gal, 55 gal drum MSRP, effective July 3, 2026). Actual use varies with screen size and ink load; your distributor price may differ.



55 gal drum 01459-D5505 · **5 gal pail** 01459-P5010 · **1 gal · 4 × 1 gal** B1201 · C4201 · **12 × 1 qt** 01459-C3004

AVAILABLE PACK SIZES

ITEM NO.	PACK SIZE	DOT
01459-D5505	55 gal drum	Not regulated
01459-P5010	5 gal pail	Not regulated
01459-C4201	4 × 1 gal	Not regulated
01459-B1201	1 gal bottle	Not regulated
01459-C3004	12 × 1 qt	Not regulated

PIF 01459 · TDS rev02 · Issued October 19, 2026 · Supersedes rev01

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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BIO-1

WHERE IT FITS IN THE RECLAIM PROCESS

1 INK REMOVAL	2 EMULSION REMOVAL	3 STAIN REMOVAL (HAZE)	4 DEGREASE
Bio-1 (this product)	ER-160 · ER-190 · ER-1-2-5	**Bio-1 (this product)**	**Bio-1 (this product)**

TYPICAL PRODUCT CHARACTERISTICS

Appearance	Colorless to straw, clear liquid	**Flash point**	146°F (63°C)
Odor	Bubblegum	**VOC**	6% by weight (60.6 g/L)
pH	Not applicable (solvent)	**Evaporation rate**	<1 (n-butyl acetate = 1)
Specific gravity	1.010	**Solubility in water**	Negligible
Weight, per U.S. gallon	8.4 lb	**Stability**	Stable

SAFETY & HANDLING

HAZARDS (GHS)

- Combustible liquid (H227)
- May be fatal if swallowed and enters airways (H304)
- Causes skin irritation (H315)
- Causes eye irritation (H320)
- May cause respiratory irritation (H335)
- May cause drowsiness or dizziness (H336)

FIRST AID

- **If swallowed:** Immediately call a poison center or doctor. Do NOT induce vomiting (aspiration hazard).
- **If on skin or hair:** Remove contaminated clothing immediately. Rinse skin; wash with soap and water.
- **If inhaled:** Move to fresh air and keep at rest. Call a poison center or doctor if you feel unwell.
- **If in eyes:** Flush with water for at least 15 minutes. Remove contact lenses. Get medical attention if irritation persists.

PROTECTIVE EQUIPMENT

- **Eyes:** Safety glasses with side shields or splash-proof goggles; face shield for large amounts.
- **Hands & body:** Chemical-resistant gloves; apron for large amounts.
- **Breathing:** Use in a well-ventilated area. NIOSH-approved organic vapor respirator if the PEL is exceeded 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.
- Keep away from heat, flame and sunlight. Keep container tightly closed in a well-ventilated place. Store locked up, away from strong oxidizers, acids and bases.
- **Disposal:** Do not dump into sewers, on the ground or into waterways. Dispose of per federal, state and local regulations. Waste may be RCRA D001 (ignitable).

Safety information summarized from the Bio-1 Safety Data Sheet. The SDS governs; see it for full precautions.

REGISTRATIONS & COMPLIANCE

GHS signal word	DANGER
VOC	6% by weight (60.6 g/L)
California SCAQMD Rule 1171	Compliant
Biodegradability	Readily biodegradable, 71.6% in 28 days (OECD 301D)
California Prop 65	Contains no listed chemicals
DOT, ground	Combustible liquid: not regulated in containers of 119 gal or less (49 CFR 173.150(f)); NA1993, PG III at 120 gal or more.
Air and vessel	IATA / IMDG: not regulated

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 match Bio-1 to your inks and reclaim setup.
- **Next step:** after ink removal, remove the stencil with a Kor-Chem emulsion remover (ER-160, ER-190, ER-1-2-5).
- **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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