SECTION 1: IDENTIFICATION

Product identifier	Opti-Strip 600 Emulsion Remover
Product code	Opti-Strip 600 (T-600)
Other means of identification	Aqueous stencil / emulsion remover concentrate
Chemical type	Substance / solvent thinner
Recommended use	Water-based concentrate for removing cured screen-printing emulsion (stencil) from mesh.
Restrictions on use	For industrial and professional use only.
Manufacturer / supplier	Champion Inks 200 S. Newman Street, Unit 4 & 5, Hackensack, NJ 07601, USA
Telephone / web	+1 (302) 667-6096 - www.championinks.com - web@championinks.com
Emergency telephone (24-hr)	CHEMTREC - USA / Canada: +1-800-424-9300 - International: +1-703-527-3887 - Contract CCN863598

SECTION 2: HAZARD(S) IDENTIFICATION

OSHA HCS classification	Eye irritation - Category 2A (H319); Skin irritation - Category 2 (H315). **[VERIFY]** Periodic acid is an oxidizer/irritant - confirm whether Ox. Liq. or Met. Corr. applies at the in-use concentration.
Signal word	**WARNING**
Pictograms	Exclamation mark (GHS07). **[VERIFY]** Add oxidizer/corrosion pictogram if confirmed.
Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation.
Precautionary	P264 Wash thoroughly after handling. P280 Wear protective gloves and eye protection. P302+P352 IF ON SKIN: wash with plenty of water. P305+P351+P338 IF IN EYES: rinse cautiously several minutes; remove lenses if easy; continue rinsing. P337+P313 If eye irritation persists: get medical advice.
Hazards not otherwise classified (HNOC)	Aqueous, non-flammable. Periodic acid is an oxidizer - keep away from combustible/reducing materials.
Unknown acute toxicity	0% of unknown acute toxicity.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Wt %	GHS classification of component
Water	7732-18-5	90 - 99	Not classified
Periodic acid **[VERIFY]**	10450-60-9	< 5	Ox.? / Skin Irrit. 2 / Eye Irrit. 2 - confirm from supplier

SECTION 4: FIRST-AID MEASURES

Inhalation	Remove to fresh air; keep at rest. Get medical attention if symptoms persist.
Skin contact	Remove contaminated clothing; wash with soap and water. If irritation develops, get medical advice. Wash clothing before reuse.
Eye contact	Rinse cautiously with water for several minutes; remove contact lenses if easy. Get medical attention if irritation persists.
Ingestion	Rinse mouth. Do NOT induce vomiting. Get medical advice if you feel unwell.
Most important symptoms / effects	See Section 2 / 11.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Alcohol-resistant foam, CO2, dry chemical; water spray to cool containers.
Unsuitable extinguishing media	Do not use a direct water jet.

Specific hazards	Combustible/flammable liquid and vapor; vapors heavier than air. Combustion yields carbon oxides and irritating smoke.
Protection for firefighters	Full protective clothing and NIOSH-approved positive-pressure SCBA.
Flash point	Not applicable (aqueous, non-flammable)

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Eliminate ignition sources; ventilate; wear PPE per Section 8; keep people upwind.
Environmental precautions	Prevent entry to drains, sewers and waterways.
Containment and cleanup	Absorb with inert non-combustible material; place in covered, labeled containers. Use non-sparking tools.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Keep away from heat/sparks/flame - No smoking. Adequate ventilation. Ground/bond containers. Avoid skin/eye contact and breathing vapor. Wash after handling.
Conditions for safe storage	Store cool, well-ventilated, away from ignition sources and oxidizers; keep closed. Store locked up.
Incompatible materials	Strong oxidizers, strong acids and bases.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Component (CAS)	OSHA PEL	ACGIH TLV	Notes
Periodic acid (10450-60-9)	Not established	Not established	
Water	-	-	

Engineering controls	Local exhaust / dilution ventilation to keep vapor below limits and the LEL; explosion-proof equipment where flammable.
Respiratory protection	NIOSH-approved organic-vapor respirator if limits may be exceeded.
Eye / face protection	Chemical splash goggles.
Skin protection	Chemical-resistant gloves (butyl/laminate for NMP; nitrile for aromatic solvent) and protective clothing.
General hygiene	Wash before eating/drinking/smoking; remove and wash contaminated clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Property	Value
Physical state	Liquid	Boiling point	~ 100 deg C
Appearance	Clear aqueous liquid	Specific gravity	~ 1.0 **[VERIFY]**
Odor	Odorless / mild	Vapor density	Heavier than air (>1)
Flash point	Not applicable (aqueous, non-flammable)	Auto-ignition	Not applicable
Solubility in water	Miscible with water	VOC content	< 1% (water-based)

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical stability	Stable under recommended conditions.
Possibility of hazardous reactions	Periodic acid is an oxidizer - avoid contact with reducing agents and combustibles.
Conditions to avoid	Heat, sparks, open flame, ignition sources.
Incompatible materials	Strong oxidizers, strong acids and bases.

Hazardous decomposition products	Carbon monoxide, carbon dioxide and irritating organic vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes	Skin and eye contact.
Skin / eye	Causes skin and eye irritation.
Other	No other significant effects expected at in-use concentration.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Avoid release to the environment; neutralize before disposal.
Persistence and degradability	No data for the mixture.
Bioaccumulative potential	No data.
Mobility in soil	No data.
Other adverse effects	Avoid release to drains/waterways.

OSHA does not enforce the content of Sections 12-15, but they are required to maintain the GHS 16-section order.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	Dispose of per federal, state and local regulations. **[VERIFY]** Confirm waste characterization (ignitability / NMP).
Contaminated packaging	Empty containers retain residue and vapor - do not cut, weld or heat. Dispose of per regulations.

SECTION 14: TRANSPORT INFORMATION

US DOT	**[VERIFY]** Dilute aqueous solution is generally not regulated; confirm whether periodic acid content triggers an oxidizer/corrosive classification for transport.
IATA / IMDG	**[VERIFY]** Confirm.

SECTION 15: REGULATORY INFORMATION

US TSCA	All components listed or exempt.
SARA 311/312	Acute health hazard (irritant).
California Prop 65	None expected above safe-harbor. **[VERIFY]** Confirm.
State Right-to-Know	Periodic acid may appear on state RTK lists.

SECTION 16: OTHER INFORMATION

Prepared by	Luis Uribe - Champion Inks (Regulatory / EHS)
Issue / revision date	November 24, 2026
Version	1.0 DRAFT - First issue under the Champion Inks brand. House format per OSHA HCS-2024 / GHS Rev. 7.
Change note	Reformatted to house v2.0 from the legacy OptiStrip 600 MSDS (aqueous, periodic acid <5%). **[VERIFY]** Confirm full composition, pH, oxidizer status and transport classification.

Disclaimer: The information herein is believed to be accurate and is provided in good faith but without warranty of any kind. It relates only to the specific product designated. The user is responsible for determining suitability and compliance with all applicable regulations. --- End of Safety Data Sheet