SECTION 1: IDENTIFICATION

Product identifier	**Opti-800 Screen Degreaser**
Product code	Opti-800 (Opti Degreaser 800)
Other means of identification	Water-based screen degreaser / mesh rinse
Recommended use	Water-based degreaser for cleaning / rinsing screen-printing mesh. For industrial use only.
Restrictions on use	Industrial and professional use only. Not for any food-contact, medical, pharmaceutical, cosmetic or other regulated end use unless approved in writing by Champion Inks.
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 CHEMTREC Contract / CCN863598

SECTION 2: HAZARD(S) IDENTIFICATION

GHS classification of the mixture (OSHA HCS-2024, 29 CFR 1910.1200; GHS Rev. 7):

Hazard class	Cat.	Hazard statement
Skin corrosion / irritation	2	H315 - Causes skin irritation.
Serious eye damage / eye irritation	2	H319 - Causes serious eye irritation.

Signal word	**WARNING**
Pictograms	GHS07 (Exclamation mark)
Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation.
Precautionary - Prevention	P264 Wash thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves and eye protection.
Precautionary - Response	P302+P352 IF ON SKIN: Wash with plenty of water. P332+P313 If skin irritation occurs: Get medical advice/attention. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy; continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.
Precautionary - Storage / Disposal	P102 Keep out of reach of children. Store in a cool, dry place; protect from freezing. P501 Dispose of contents and container in accordance with applicable local, state and federal regulations.
Hazards not otherwise classified (HNOC)	Non-flammable, water-based product. Contains a nonylphenol-ethoxylate surfactant, which is toxic to aquatic life - avoid release to drains and waterways.
Unknown acute toxicity	0% of the mixture is of unknown acute toxicity.



GHS07
Irritant / harmful

SOURCE-DATA NOTE - The legacy MSDS lists only Surfonic N-95 (nonylphenol ethoxylate) and is otherwise a water-based degreaser, yet it also carried oxidizer / iodine language and an unrelated Optistrip 600 footer that appear to be template carryover. Confirm whether any oxidizer is present; if so, this classification must be revised. As written, the product is classified as an irritant only.

Nonylphenol ethoxylates (and their nonylphenol degradation products) are aquatic toxicants and EPA chemicals of concern - do not discharge to surface water or storm drains.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Wt %	GHS classification of component
Nonylphenol ethoxylate surfactant (Surfonic N-95)	9016-45-9	< 5	Skin Irrit. 2 (H315); Eye Irrit. 2 (H319); Aquatic Chronic 2/3
Water	7732-18-5	Balance (> 95)	Not classified

A dilute aqueous solution of a nonionic surfactant. The exact percentage may be withheld as a trade secret and disclosed per 29 CFR 1910.1200(i).

Compliance note: the legacy MSDS disclosed only the surfactant (<5%) with the balance presumed water. If the degreaser actually contains an oxidizer (implied by the source fire/decomposition text), that component and its hazards (e.g., Oxidizer / GHS03) must be added - confirm the current formulation.

SECTION 4: FIRST-AID MEASURES

Inhalation	Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
Skin contact	Wash off with soap and water. Remove contaminated clothing. Get medical attention if irritation develops and persists.
Eye contact	Causes serious eye damage. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy; continue rinsing. Get medical attention immediately.
Ingestion	Drink plenty of water to dilute. Do NOT induce vomiting. Get medical attention if a large amount is swallowed or if symptoms occur.
Most important symptoms / effects	Eye and skin irritation (redness, discomfort); possible dermatitis on prolonged contact. Mist may cause mild respiratory irritation.
Notes to physician	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray. Use media appropriate to surrounding fire.
Unsuitable extinguishing media	None known for this water-based product.
Specific hazards	Non-flammable as supplied. Note (per legacy MSDS, to be confirmed): dried residue may act as an oxidizer; keep dried residue away from combustible materials. Confirm whether an oxidizer is present (see Section 3).
Hazardous combustion products	Carbon oxides; (per legacy text) possibly iodine / iodine oxides under extreme heat - confirm formulation.
Protection for firefighters	Wear self-contained breathing apparatus (SCBA) and full protective clothing. Move containers from the fire area if it can be done without risk; cool exposed containers with water fog.
Flash point	Not applicable (water-based, non-flammable).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Keep unnecessary personnel away; keep upwind of the spill. Eliminate all ignition sources (no smoking, flares, sparks or flames). Wear appropriate PPE (Section 8). Avoid breathing vapor/mist; ensure adequate ventilation.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Advise authorities if significant spillage cannot be contained.
Small spills	Wipe up with absorbent material (cloth, fleece). Clean the surface thoroughly. Place used absorbents in a sealed, water-filled metal container (spontaneous-combustion risk).

Large spills	Stop the flow if safe. Dike the spill; cover with plastic sheet to limit spreading. Soak up with non-combustible material (vermiculite, sand, earth) and place in a container for disposal. Flush area with water after recovery. Never return spills to original containers for reuse.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with eyes, skin and clothing. Avoid breathing mist. Wash thoroughly after handling. Observe good industrial hygiene.
Conditions for safe storage	Store in a cool, dry area away from heat and direct sunlight. Keep from freezing. Keep away from organics, flammables and combustibles.
Incompatible materials	Reducing agents; flammables and combustibles (per legacy text).
Empty containers	Triple-rinse with water before disposal/recycling per regulations.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Component (CAS)	OSHA PEL	ACGIH TLV	Notes
Nonylphenol ethoxylate surfactant (9016-45-9)	Not established	Not established	Avoid mist; aquatic toxicant

Engineering controls	Good general ventilation (typically 10 air changes per hour) matched to conditions. Use local exhaust or process enclosures to keep airborne levels below applicable limits. Provide an eyewash station and, where splashing is possible, a safety shower.
Eye / face protection	Safety glasses (chemical splash goggles if splashing is likely).
Hand protection	Neoprene or nitrile gloves.
Body protection	Suitable protective clothing; chemical-resistant apron where splashing is likely.
Respiratory protection	Not normally required. Use a NIOSH-approved respirator only if mist is generated and ventilation is inadequate.
General hygiene	Do not smoke when using. Wash after handling and before eating, drinking or smoking. Launder contaminated clothing and PPE before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Flammability classification**	Non-flammable
Form	Liquid	**Vapor pressure**	As water
Color	Clear	**Vapor density**	< 1
Odor	Odorless	**Relative density / SG**	1.0
Odor threshold	Not available	**Solubility in water**	Complete
pH	4.0 - 5.0	**Partition coefficient (log Kow)**	Not available
Melting / freezing point	Approx. 0 C (decomposes)	**Auto-ignition temperature**	Not applicable
Boiling point / range	Approx. 100 C (decomposes)	**Decomposition temperature**	Not available
Flash point	Not applicable (non-flammable)	**Viscosity**	Not available
Evaporation rate	< 1 (water = ~1)	**VOC content**	0 g/L
Flammability (solid, gas)	Not applicable	**Percent volatile**	< 98% (water)

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable under recommended conditions.
Possibility of hazardous reactions	None under normal conditions; vapors may form explosive mixtures with air.

Conditions to avoid	Heat, sparks, open flame and other ignition sources.
Incompatible materials	Reducing agents; flammables and combustibles (per legacy text).
Hazardous decomposition products	Carbon monoxide and carbon dioxide on combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure	Eye and skin contact; inhalation of vapor/mist; accidental ingestion.
Eye	Causes eye irritation (Category 2); direct contact causes redness and discomfort.
Skin	Causes skin irritation; prolonged contact may cause dermatitis.
Inhalation	Mist may cause mild respiratory-tract irritation.
Ingestion	Large amounts may cause gastrointestinal irritation.
Carcinogenicity	Not considered a carcinogen (IARC, NTP, OSHA).
Reproductive / developmental	No data; not classified.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Contains a nonylphenol-ethoxylate surfactant, which is toxic to aquatic life and an endocrine-active substance of concern. Do not discharge to surface water or storm drains.
Persistence and degradability	No data available for the mixture.
Bioaccumulative potential	No data available for the mixture.
Mobility in soil	Water-soluble; mobile in the environment.
Other adverse effects	None known beyond those listed.

Note: 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 in accordance with applicable local, state and federal regulations. Do not discharge surfactant-containing waste to surface water; treat or send to a permitted facility.
Contaminated packaging	Empty containers retain residue and vapor; dispose of per regulations. Do not reuse.
Used absorbents	Rags/absorbents may self-heat - store in sealed, water-filled metal containers pending disposal.

SECTION 14: TRANSPORT INFORMATION

US DOT	Not regulated as a hazardous material for transport (water-based, non-flammable).
IATA (air) / IMDG (sea)	Not classified as a dangerous good for transport.
Special precautions	Protect from freezing; keep containers closed and upright.

SECTION 15: REGULATORY INFORMATION

US TSCA inventory	All components are listed on or exempt from the TSCA Inventory.
SARA 311/312 hazard classes	Yes - skin/eye irritation (acute health hazard).
SARA 313	Nonylphenol ethoxylates are a SARA 313-listed category - report if thresholds are met.
California Proposition 65	No listed substances are intentionally present above safe-harbor levels (confirm per final formulation). Nonylphenol/NPEs are EPA chemicals of concern for aquatic toxicity.

CWA	Nonylphenol ethoxylates are subject to EPA effluent guidance; avoid discharge to waters of the US.
State Right-to-Know	The surfactant may appear on state Right-to-Know lists - verify per formulation.

Product stewardship & certifications

Phthalate-free	Yes. Champion Inks inks are formulated without ortho-phthalate plasticizers; plastisol inks use phthalate-free plasticizers such as DOTP (dioctyl terephthalate, CAS 6422-86-2) or adipate esters (e.g., dioctyl adipate). No ortho-phthalates restricted under CPSIA, REACH Annex XVII or California Proposition 65 are intentionally added.
California Proposition 65 compliance	Champion Inks manages its products for California Proposition 65 compliance. Where a product contains a listed substance above the applicable safe-harbor level, the required warning is provided in this Section 15; where none is present above safe-harbor levels, no warning is required.

SECTION 16: OTHER INFORMATION

Hazard statements (full text)	H315 Causes skin irritation. H319 Causes serious eye irritation.
Hazard ratings	HMIS / NFPA: low hazard water-based irritant - assign per facility hazard assessment (Health 1, Flammability 0, Physical 0 starting points - confirm; revise if an oxidizer is present).
Prepared by	Champion Inks - Regulatory / EHS
Issue / revision date	November 24, 2026
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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 and may not be valid for such product used in combination with any other materials or in any process. The user is responsible for determining suitability and for compliance with all applicable regulations.

End of Safety Data Sheet