

CTC Catalyst Cleaner

Industrial catalyst and hard-surface cleaning solution

Controlled safety source: CTC_SDS.pdf, SDS UC-019, revision May 1, 2020. This TDS does not replace the current Safety Data Sheet.

PRODUCT OVERVIEW

CTC Catalyst Cleaner is a concentrated alkaline industrial cleaner. The current SDS lists cleaning and degreasing of cooling systems, aluminum grating, air conditioners, metals and hard surfaces as recommended uses. A product-specific dilution ratio, dwell time or catalyst-cleaning procedure is not established by the available controlled sources, so none is stated here.

Recommended use	Lime and scale removal / external cooler cleaning	Physical state	Liquid
Appearance / odor	Clear liquid / slight acidic odor	pH	2
Specific gravity	1.26	Boiling point	102 C / 216 F
Water solubility	Completely soluble	Flash point	Non-flammable
Transport	UN1805 Phosphoric acid solution, Class 8, PG III	Ecology	Toxic to aquatic life with long lasting effects

COMPOSITION AND HAZARD PROFILE

- Phosphoric Acid, CAS 7664-38-2, 20-30%.
- Nonylphenol Ethoxylate, CAS 127087-87-0, greater than 5%.
- Skin corrosion/irritation Category 1B; serious eye damage/eye irritation Category 1.
- Signal word: Danger.
- Hazard statement: Causes severe skin burns and eye damage.
- Other hazards: Toxic to aquatic life with long lasting effects.

SHIPPING, PACKAGE AND LOGISTICS

Variant	Physical Package	SKU	Gross Weight	Dimensions	NMFC	Class
Standard	1 Gallon Jug	CTC001	8.8 lb	6 x 6 x 12 in	44155	85
Standard	5 Gallon Bucket	CTC005	44 lb	10.25 x 10.25 x 14.75 in	44155	85
Standard	55 Gallon Drum	CTC055	484 lb	23.5 x 23.5 x 35 in	44155	85
Standard	250 Gallon Tote	CTC250	2,200 lb	40 x 47 x 46 in	44155	85

Provisional CTC500 and CTC750 strength variants are excluded pending concentration-specific packaged-weight and final-SKU verification. Current master-matrix NMFC 44155 / Class 85 remains subject to ClassIT+ confirmation.

NFPA 704



Health	2	Moderate health hazard
Flammability	0	Non-flammable
Instability	0	Stable under recommended storage
Special	-	Not determined

GHS HAZARD COMMUNICATION



**GHS05 Corrosion
Danger**
Causes severe skin burns and eye damage.

SAFE HANDLING AND PPE

- Avoid contact with skin, eyes or clothing.
- Do not breathe vapors or spray mist.
- Wear suitable gloves and protective clothing.
- Use goggles and a face shield as needed to prevent eye and face contact.
- Ensure adequate ventilation, especially in confined areas.
- Use respiratory protection when ventilation is inadequate.
- Keep eyewash stations and showers available near the work area.
- Wash face, hands and exposed skin thoroughly after handling.

STORAGE AND INCOMPATIBILITIES

- Keep container tightly closed in a cool, dry, well-ventilated place.
- Store locked up and keep out of reach of children.
- Protect from freezing. If frozen, thaw completely before use.
- Store away from incompatible materials.
- Section 7 lists chlorine bleach and hydrocarbons as incompatible.
- Section 10 lists strong alkalis, bleach and ammonia as incompatible.

FIRST AID FROM CURRENT SDS

Exposure	Current SDS direction
Eyes	Immediately flush with plenty of water. After initial flushing, remove contact lenses and continue flushing for at least 15 minutes. Immediately call a poison center or doctor/physician.
Skin	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Immediately call a poison center or doctor/physician.
Inhalation	Remove to fresh air. Call a physician immediately.
Ingestion	Do not induce vomiting. Drink plenty of water. Immediately call a poison center or doctor/physician.

Emergency contact: INFOTRAC 1-800-535-5053 North America; 1-352-323-3500 International.

SPILL, FIRE AND ENVIRONMENTAL HANDLING

- Prevent further leakage or spillage if safe to do so.
- Soak up with inert absorbent material.
- Neutralize residue using citric acid or another approved neutralizing agent for basic materials.
- Pick up and transfer recovered material to properly labeled containers.
- Use extinguishing measures appropriate to surrounding conditions; water may cool exposed containers.
- CTC is corrosive but non-flammable.
- The SDS does not classify CTC as environmentally hazardous, but large or frequent spills can still cause harm.
- The SDS states the product is readily biodegradable.

TRANSPORTATION AND REGULATORY PROFILE

Mode / Field	Controlled value
DOT	UN1814, Potassium Hydroxide solution, Class 8, Packing Group II
IATA	UN1814, Potassium Hydroxide solution, Class 8, Packing Group II
IMDG	UN1814, Potassium Hydroxide solution, Class 8, Packing Group II
CERCLA RQ	1,000 lb for potassium hydroxide
California Proposition 65	Current SDS states this product does not contain Proposition 65 chemicals.

APPLICATION CONTROL

No universal dilution, dwell time, circulation period, temperature or catalyst-specific application procedure is established by the controlled source set.

Before use, confirm substrate compatibility, intended cleaning scope, working concentration, contact method, duration, rinse requirements and waste handling through approved Ultimate Chemicals technical direction.

Do not infer operating values from another alkaline cleaner or from a different Ultimate Chemicals product.

DOCUMENT CONTROL

Product	CTC Catalyst Cleaner
Product code	CTC
Safety source	CTC_SDS.pdf SDS UC-019 revision May 1, 2020 Version 1
Operational source	No separate prior controlled CTC TDS was located; no operating values were invented.
Shipping source	2026 Ultimate Chemicals Product Shipping Specs Matrix.xlsx
NFPA asset	NFPA_2-0-0.svg
GHS asset	GHS05_Corrosion.png
Header artwork	Approved Ultimate Chemicals logo upper left; approved glow fallback upper right
Program/footer artwork	Approved glow logo. CTC is not on the controlled Zero Hour badge list.

QUICK ACCESS

Scan the QR code or select the printed URL. Each printed URL is embedded as a clickable PDF hyperlink.

PRODUCT PAGE



<https://ultimatechemicals.com/products/ctc>

SDS



<https://ultimatechemicals.com/sds/ctc>

TDS



https://ultimatechemicals.com/tds/ctc_tds.pdf