

SPC Spark Plug Cleaner

Concentrated ultrasonic cleaner for compatible spark plugs

Controlled safety source: SPC_SDS.pdf, SDS UC-008, revision May 1, 2020. This TDS does not replace the current Safety Data Sheet.

PRODUCT OVERVIEW

SPC Spark Plug Cleaner is intended for cleaning spark plugs confirmed suitable for immersion and ultrasonic cleaning.

Recommended use	Degreaser / spark-plug cleaning	Physical state	Liquid
Appearance / odor	Purple liquid / slight solvent	pH	14.0 concentrate
Specific gravity	1.065	Water solubility	Completely soluble
Boiling point	100 C / 212 F	Flash point	Non-flammable
Transport	UN1814 Potassium hydroxide solution, Class 8, PG II	NFPA	2-0-0

APPROVED DILUTION

MIX 1:4 - ONE PART SPC TO FOUR PARTS CLEAN WATER.

- Dilution notation is product:water.
- Example: 1 quart SPC plus 4 quarts water produces 5 quarts of working solution.
- Example: 1 gallon SPC plus 4 gallons water produces 5 gallons of working solution.
- Prepare only the amount needed to fully submerge the spark plugs in the ultrasonic cleaner.
- Add SPC to the clean water while controlling splash; do not add other cleaners, solvents or treatment chemicals.

SHIPPING, PACKAGE AND LOGISTICS

Variant	Physical Package	SKU	Gross Weight	Dimensions	NMFC	Class
Standard	1 Gallon Jug	SPC001	8.8 lb	6 x 6 x 12 in	44155	85
Standard	5 Gallon Bucket	SPC005	44 lb	10.25 x 10.25 x 14.75 in	44155	85
Standard	55 Gallon Drum	SPC055	484 lb	23.5 x 23.5 x 35 in	44155	85
Standard	250 Gallon Tote	SPC250	2,200 lb	40 x 47 x 46 in	44155	85

Current SDS transport classification: UN1814, Potassium hydroxide solution, Hazard Class 8, Packing Group II for DOT, IATA and IMDG. The SDS notes that package-size limited-quantity exceptions may apply; use current shipping papers. NMFC 44155 / Freight Class 85 is the current master-matrix value.

NFPA 704



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

GHS HAZARD COMMUNICATION



**GHS05 Corrosion
DANGER**
Skin corrosion/irritation Category 1B.
Serious eye damage Category 1.
Causes severe skin burns and eye damage.

SAFE HANDLING AND REQUIRED PPE

- SPC is corrosive. Prevent skin and eye contact.
- Wear chemical splash goggles and a face shield as needed to prevent eye and face contact.
- Wear suitable chemical-resistant gloves and protective clothing.
- Do not breathe vapors or spray mist.
- Ensure adequate ventilation, especially in confined areas.
- Keep eyewash stations and emergency showers immediately accessible.
- Wash face, hands and exposed skin thoroughly after handling.
- Wash contaminated clothing before reuse.

STORAGE AND INCOMPATIBILITIES

- Keep the container tightly closed in a cool, dry and well-ventilated place.
- Store locked up and out of reach of children.
- Protect from freezing; if frozen, thaw completely before use.
- Store away from acids, bleach and ammonia.
- Do not mix with unknown chemicals.

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.
Skin	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
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.

APPROVED ULTRASONIC CLEANING PROCEDURE

1. Confirm each spark plug is suitable for immersion and ultrasonic cleaning.
2. Inspect for cracks, damaged insulators, damaged threads, loose terminals and other pre-existing damage.
3. Confirm the ultrasonic tank, basket and measuring equipment are clean and chemically compatible.
4. Prepare the SPC working solution at 1 part SPC to 4 parts clean water.
5. Arrange the spark plugs so they remain fully submerged and do not strike each other.
6. Operate the ultrasonic cleaner according to the equipment manufacturer's instructions.
7. Remove the spark plugs after the cleaning cycle and wipe away loosened contamination.
8. Rinse each spark plug thoroughly with clean water until no visible cleaner residue remains.
9. Dry completely before inspection, testing, storage or installation. Do not install a wet spark plug.
10. Inspect for remaining deposits and physical damage; repeat cleaning only when necessary.
11. Reject or segregate spark plugs that remain damaged or unsuitable for service.

SPILL, FIRE AND ENVIRONMENTAL HANDLING

- Stop the release if safe and protect drains.
- Soak up with inert absorbent material.
- Neutralize residue only under an approved procedure using citric acid or another suitable neutralizing agent for basic materials.
- Transfer recovered material to properly labeled containers.
- SPC is non-flammable. Use extinguishing measures appropriate to local circumstances and the surrounding environment; water may cool exposed containers.
- Firefighters should use self-contained breathing apparatus and full protective gear.
- The product is not classified as environmentally hazardous, but large or frequent spills may still be harmful.
- The SDS lists the product as readily biodegradable.
- Do not discharge used SPC solution or contaminated rinse water without site approval.

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 hazardous waste	Potassium hydroxide listed as toxic and corrosive in the current SDS.

DOCUMENT CONTROL

Product	SPC Spark Plug Cleaner
Product code	SPC
Safety source	SPC_SDS.pdf SDS UC-008 revision May 1, 2020 Version 1
Operational source	SPC_Field_Guide_QR_UPDATED.pdf Revision 1 Draft, August 4, 2026; operating instructions retained and safety sections superseded by current SPC SDS
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 logo upper right because no dedicated SPC product logo is identified
Program/footer artwork	Approved glow logo. SPC is not on the controlled Zero Hour badge list.



QUICK ACCESS

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PRODUCT PAGE



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