

SAFETY DATA SHEET



Section 1: PRODUCT AND COMPANY IDENTIFICATION

- 1.1. Product identifier**
Product name SPARKLEEN 390 L
- 1.2. Other means of identification**
None
- 1.3. Recommended use of the chemical and restrictions on use:**
Recommended Use Concentrated liquid electrocleaner for steel
- 1.4. Details of the supplier of the safety data sheet**
Address A Brite Company
3217 Wood Drive
Garland, TX 75041
Phone number 1-888-8ABRITE
Website www.abrite.com
- 1.5. Emergency phone number**
Emergency telephone 1-800-424-9300 (CHEMTREC)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the chemical in accordance with 29 CFR 1910 (OSHA HCS)

Skin corrosive	Category 1
Serious eye damage	Category 1
Reproductive toxicity (fertility, unborn child)	Category 1B
Specific target organ toxicity, single exposure (central nervous system, eyes)	Category 2
Specific target organ toxicity, repeat exposure (central nervous system, eyes)	Category 2
Acute aquatic toxicity	Category 3

2.2. Label Elements



Pictogram

Signal Word Danger

Hazard Statements

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H360	May damage fertility or the unborn child
H371	May cause damage to organs (central nervous system, eyes)
H373	Causes damage to organs through prolonged or repeated exposure (central nervous system, eyes)
H402	Harmful to aquatic life

Precautionary statements

Prevention

P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist or vapors.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye/face protection.
P281	Use personal protective equipment as required.

Response

P301+P330+P331+P310	If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor.
P303+P361+P353+P310	If on skin (or hair): Immediately remove all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor.
P363	Wash contaminated clothing before reuse.
P304+P340+P310	If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.
P305+P351+P338+P310	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
P321	Specific treatment (see section 4 of the SDS).
P308+P313	If exposed or concerned: Get medical advice/attention.
P309+P311	If exposed or if you feel unwell: call a poison center or doctor.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage. Hazardous to the aquatic environment.

Storage

P405	Store locked up.
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Disposal

P501	Dispose of contents and container in accordance with local, regional, national, and international regulations.
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2.3. Hazards not otherwise classified

None

2.4. Ingredient(s) with unknown acute toxicity

None

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Chemical name and concentration/concentration ranges

The specific chemical identity of this product is being withheld as a trade secret in accordance with OSHA 29 CFR 1910.1200(i).

3.2. Common name and synonyms

See 3.1

3.3. CAS number and other unique identifiers

See 3.1

3.4. Impurities/stabilizing additives

See 3.1

Section 4: FIRST AID MEASURES**4.1. Description of first aid measures****Inhalation**

Get medical attention immediately. If it is suspected that mists are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Move exposed person to fresh air and keep at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing. If unconscious, place in recovery position and get medical attention immediately. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact

Flush contaminated skin with plenty of water while removing contaminated clothing and shoes. Flush skin with water for at least 30 minutes. Get medical attention immediately. Thoroughly wash (or discard) clothing and shoes before reuse.

Eye contact

Immediately rinse with water, including under the eyelids. Remove contact lenses, if present and easy to do so, and continue rinsing eyes for 30 minutes. Get medical attention immediately.

Ingestion

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

4.2. Most important symptoms/effects, acute and delayed

See symptoms and effects in sections 2, 4, and 8. Causes severe skin and eye burns. Toxicity towards central nervous system and eyes.

4.3. Indication of immediate medical attention and special treatment, if necessary

Treat symptoms. Medical personnel should wash contaminated clothing thoroughly with water before removing it, or wear gloves. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Section 5: FIRE FIGHTING MEASURES

5.1. Suitable/ unsuitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

5.2. Specific hazards arising from chemical

In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer, or drain. Thermal decomposition of product may generate hazardous gases including carbon dioxide, carbon monoxide, nitrogen oxides, and metal oxides.

5.3. Special protective equipment and precautions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Fire fighters should wear self-contained breathing apparatus and protective clothing. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment (gloves, eye/face protection) to prevent eye and skin contact. Do not touch or walk through spilled material. Do not breathe mist, vapor, or spray. Ensure adequate ventilation. If ventilation is inadequate, wear an appropriate respirator. Wash contaminated clothing before reuse. Avoid dispersal of spilled material and runoff. Prevent entry into soil, waterways, drains, and sewers. Follow response protocols in section 2 and first aid protocols in section 4.

6.2. Methods and materials for containment and cleaning up

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Sweep up or soak up spill with inert absorbent material. To dispose of waste, dump to wastewater treatment system or dispose of via a licensed waste disposal contractor. Observe local, state, and federal regulations.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid exposure—obtain special instructions before use. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Avoid contact with skin and eyes and avoid breathing mist, vapor, or spray. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Empty containers retain product residue and can be hazardous. Do not reuse container. Use gloves to protect hands and eye glasses/goggles/face shield. Do not ingest. Keep tightly closed when not in use. Avoid release to the environment. See section 2 and section 8 for first aid measures, individual protection measures, and engineering controls.

7.2. Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area. Keep away from incompatible materials and food/drink. Use appropriate containment to avoid environmental contamination.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Contains the following substances with occupational exposure limits:

Sodium hydroxide (20 – 30%): ACGIH TLC C = 2 mg/m³

Methanol (1 – 10%): Absorbed through skin. ACGIH TLV STEL = 328 mg/m³ (15 min), STEL = 250 ppm (15 min), TWA = 262 mg/m³ (8 h), TWA = 200 ppm (8 h)

8.2. Appropriate engineering controls.

Ensure ventilation is adequate. Use process enclosures, local exhaust, or other engineering controls to keep worker exposure below limits. Keep containers closed when not in use. Keep out of reach of children. If water pollution occurs, notify the proper authorities. Emissions should be checked to ensure they comply with requirements of environmental protection legislation.

8.3. Individual protection measures

Eye/face protection	Wear safety glasses/goggles. If contact is possible, a face shield should be worn. If inhalation hazards exist, a full-face respirator may be required instead.
Skin/body protection	Handle with chemical resistant gloves. Use appropriate glove removal technique, and wash and dry hands after use.
Respiratory protection	Use adequate ventilation. Use NIOSH approved respiratory equipment for dust or mist, or if occupational exposure limits are exceeded.
General considerations	Always wash hands before smoking/eating/drinking or using the toilet. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing and other PPE before storage or reuse. Eyewash fountains and safety showers must be easily accessible and close to the workstation location.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear, straw to pale yellow liquid
Odor	Soapy, slight alcohol odor
Odor threshold	No applicable information is available
pH	No applicable information is available
Melting/freezing point	No applicable information is available
Boiling point/boiling range	100 °C (212 °F)
Flash point	No applicable information is available
Evaporation rate	No applicable information is available
Flammability (solid/gas)	No applicable information is available
Flammability limits	No applicable information is available
Vapor pressure	No applicable information is available
Vapor density	No applicable information is available
Relative density	1.32
Solubility(ies)	Easily miscible with water
Partition coefficient (n-octanol/water)	No applicable information is available
Auto-ignition temperature	No applicable information is available
Decomposition temp	No applicable information is available

Viscosity	No applicable information is available
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Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No applicable information is available

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Avoid exposure—obtain special instructions before use. Avoid exposure during pregnancy. Avoid release to the environment. Avoid release to the environment.

10.5. Incompatible materials

Reactive or incompatible with the following materials: metals, acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition of product may generate hazardous gases including carbon dioxide, carbon monoxide, nitrogen oxides, and metal oxides.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on the likely routes of exposure and symptoms

No adverse health effects are expected if the product is handled in accordance with the SDS and the product label. Symptoms may occur if the product is mishandled and overexposure occurs. See section 4. Routes of entry include dermal contact, eye contact, inhalation, and ingestion.

Inhalation

May cause damage to organs following a single exposure. May give off gas, vapor, or dust that is irritating or corrosive to respiratory tract. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. Adverse systems may include the following: respiratory tract irritation, coughing.

Ingestion

Corrosive to the digestive tract. Causes burns to mouth, throat, and stomach.

Skin

Causes severe burns.

Eye contact

Causes serious eye damage. Direct contact with eyes can cause irreversible damage, including blindness.

Reproductive Toxicity

May damage fertility or the unborn child.

Specific target organ toxicity

Contains methanol—targets central nervous system and eyes on both single and repeated exposure. Contains silicates—may cause respiratory tract irritation on single exposure.

11.2. Numerical measures of toxicity

Acute toxicity, oral, ATE > 10300 mg/kg

11.3. Carcinogenicity

This product does not contain any components that are listed as known or suspected carcinogens by NTP, IARC, or OSHA.

Section 12: ECOLOGICAL INFORMATION

12.1. Ecotoxicity

Avoid contaminating waterways. This material is harmful to aquatic life with long lasting effects. No data has been acquired for this mixture, but information on relevant components is listed below:

Proprietary Silicates (1-10%): EC50 = 33.53 mg/L, 48 h, *Ceriodaphnia dubia*;

Sodium hydroxide (20-30%): EC50 = 40.38 mg/L, 48 h, *Ceriodaphnia dubia*

Methanol (1-10%): EC50 = 16.912 mg/L, 96 h, Green algae; LC50=2500 mg/L, 48 , common shrimp;

Chelating agent (1-10%): LC50=486-500 mg/L, 96 h, *Lepomis macrochirus*

12.2. Persistence/degradability

No applicable information is available

12.3. Bioaccumulative potential

Chelating agent potential for bioaccumulation is high.
Log P_{OW} = 5.01

12.4. Mobility in soil

No applicable information is available

12.5. Other adverse effects

No known significant effects or critical hazards

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Empty containers or liners may retain some product residues and should be disposed of accordingly. To dispose of waste, dump to wastewater treatment system or collect and dispose of via a licensed waste contractor. Dispose of contaminated packaging and material wastes in accordance with all applicable federal, state, and local laws and regulations regarding health and pollution.

Section 14: TRANSPORT INFORMATION

UN number	UN 3266
UN proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, Proprietary silicates)
Transport hazard class(es)	8
Packing group, if applicable	II
Environmental hazards	No
Transport in bulk	No applicable information is available
Special precautions	ERG # 154

Section 15: REGULATORY INFORMATION

15.1. Regulatory information

Product classified according to OSHA CFR 29 1910.1200. See section 2.

Toxic Substances Control Act (TSCA)

Chemical ingredients are on the TSCA inventory.

SARA Title III Section 302

No ingredients subject to reporting requirements

SARA Title III Section 313

No ingredients subject to reporting requirements

SARA Title III Section 311/312

Acute Health Hazard, Chronic health hazard

Massachusetts/Pennsylvania/New Jersey Right to Know Components

Sodium hydroxide, methanol,

California Prop. 65 Components

This product contains methanol, which is known to the State of California to cause developmental toxicity.

RQ

Sodium hydroxide, RQ = 1000 lb (454 kg); Methanol, RQ = 5000 lb (2270 kg)

Section 16: OTHER INFORMATION

NFPA/HMIS Hazard Codes (minimal = 0, slight = 1, moderate = 2, serious = 3, severe = 4)

Health: 2/2

Fire: 0/0

Reactivity: 2/2

Special: NA

Date Prepared

12/09/2015

Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither A Brite Company nor any of its employees or subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet