

# SAFETY DATA SHEET

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

## SECTION 1. IDENTIFICATION

<b>Product Identifier:</b> Atlantic Solutions Black Out <b>Product Use:</b> Stain Remover for Pools <b>Manufactured for:</b> Atlantic Solutions, Inc. 125 North Chatham Parkway Chapel Hill, NC 27514	<b>Product Identification # (PIF):</b> 03815 <b>Emergency Telephone #:</b> 1-800-535-5053 InfoTrac <b>General Information #:</b> 919-933-4250 <b>Date Prepared:</b> February 25, 2016
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## SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification

Pictogram: None required

Signal Word: WARNING

Hazard Statement	Category	Code	Hazard Class
Combustible Liquid	4	H227	Flammable Liquid
May be harmful if swallowed	5	H303	Acute Oral Toxicity
Causes skin irritation	2	H315	Skin Irritation
Causes eye irritation	2B	H320	Eye Irritation
Toxic to aquatic life	2	H401	Hazardous to the Aquatic Environment, Acute Hazard

Precautionary Measures:

Category	Code	Statement
Prevention	P210 P273 P280	Keep away from heat/sparks/open flames/hot surfaces – No smoking. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P305+P351+P338  P337+P313 P312 P332+P313 P370+P378	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs: Get medical advice/attention. In case of fire: Use Foam, dry chemical, carbon dioxide fire extinguishers, water fog or spray for extinction.
Storage	P403+P235	Store in a well ventilated place. Keep Cool.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Hazards not otherwise classified: Prolonged contact may cause skin drying (dermatitis).

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Copper (II) sulfate pentahydrate	Not known	7758-99-8	5 – 9
Quaternary Ammonium 68424-85-1 Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	None known	68424-85-1	5 – 9
Ethyl alcohol	Ethanol	64-17-5	0.5 – 2.5

## SECTION 4. FIRST AID MEASURES

**Eyes:** Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention if irritation persists.

**Skin:** Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.

**Inhalation:** If symptoms develop, move victim to fresh air. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration and call a physician.

**Ingestion:** DO NOT INDUCE VOMITING. Call a physician immediately if you feel unwell. Rinse mouth. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

## SECTION 5. FIRE-FIGHTING MEASURES

**Flammability:** Class IIIA Combustible Liquid

**Flash Point:** 140°F (60°C)

**Extinguishing Media:** Use Foam, dry chemical, carbon dioxide fire extinguishers, water fog or spray for extinction. Use water spray to cool containers.

**Specific hazards arising from chemical:** None known.

**Hazardous combustion products:** Carbon, sulfur and copper oxides.

**Firefighting protective equipment:** Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

**Sensitivity to static discharge:** This product is not sensitive to static discharge.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Keep away from heat/sparks/open flames/hot surfaces – No smoking. Ventilate area. Wash thoroughly after handling.

For Small Spills: Avoid release to the environment. Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

## SECTION 7. HANDLING AND STORAGE

Handling: Use personal protective equipment (Section 8). Use with adequate ventilation. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Do not premix with other chemicals. Avoid release to the environment. Empty containers may contain residue and can be dangerous. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.

Storage: Keep away from heat, flame, or sunlight – Keep cool. Keep from freezing. Keep container closed when not in use. Store in a well ventilated place. Protect from physical damage. Store away from hydroxylamine and magnesium.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Copper (II) sulfate pentahydrate	7758-99-8	Not determined	Not determined	Not determined
Quaternary Ammonium 68424-85-1 Compounds, Benzyl-C12-C16-alkyldimethyl,Chlorides	68424-85-1	Not determined	Not determined	Not determined
Ethanol	64-17-5	1000ppm	1000ppm	Not determined

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles.

Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing. Boots.

Respirator: Use NIOSH approved protection if mists/spays are generated.

Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark blue, opaque liquid	Upper/Lower flammability limits	Not determined
Odor	Alcohol	Vapor pressure	Not determined
Odor threshold	Not determined	Vapor density (Air = 1)	Not determined
pH	2.8 – 4.0	Relative Density (water = 1.0)	1.045 g/ml
Melting point	Not determined	Solubility	Complete in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	142°F (61°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Not determined
Flammability	Class IIIA Combustible	Product VOC	0%

## SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals

Incompatible materials: Avoid hydroxylamine and magnesium.

Hazardous combustion products: Carbon, sulfur and copper oxides.

## SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:

Oral (LD50 Rat): >4714 mg/kg

Dermal (LD50 Rabbit): >5000 mg/kg

Inhalation (LC50 Rat): Not determined

Skin corrosion/irritation: Skin irritant. Symptoms may include skin reddening, swelling and itching. Prolonged contact may cause skin drying (dermatitis).

Serious eye damage/irritation: Eye irritant. Symptoms may include a burning sensation, tearing, swelling and redness.

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: No data available

Carcinogenicity: NTP/IARC/OSHA Carcinogen: No. Copper Sulfate – cytogenetic analysis – Rat/ast 300 mg/kg

Reproductive toxicity: Not available

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Ingestion: May be harmful if swallowed. Acute toxicity is largely due to the corrosive properties of the material.

Likely routes of exposure: Eyes, skin

Interactive effects: Not available

## SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

96h LC-50 (fish): 21 ppm  
96h EC-50 (invertebrates): 2.6 ppm  
48h LC-50 (algae): Not determined

Persistence and degradability: Not determined.

Bioaccumulative potential: Not determined.

Mobility in soil: Soil mobility not determined. This product is soluble in water and may spread in water systems.

Other adverse effects: Toxic to aquatic life, acute hazard – avoid release to the environment.

#### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Toxic to aquatic life, acute hazard – avoid release to the environment.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.

RCRA: Not applicable.

#### SECTION 14. TRANSPORT INFORMATION

United States DOT:

Not regulated

IATA and IMDG:

UN/ID No.: UN3082

Proper Shipping Name: Environmentally Hazardous Substance Liquid, n.o.s., (Copper Sulfate)

Hazard Class: 9

Packing Group: III

Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101).

Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

#### SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	Yes
Delayed (Chronic) Health	No	Reactive Hazard	No

SARA Title 313: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: Ethanol CAS# 64-17-5 - California, New Jersey, Pennsylvania, Minnesota, Massachusetts and Rhode Island.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: Not applicable.

#### SECTION 16. OTHER INFORMATION

Date Prepared: February 25, 2016

Hazard Ratings (HMIS): Health 1, Flammability 2, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

“FOR INDUSTRIAL USE ONLY”

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity

TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.