

Safety Data Sheet**115-3851/115-3854**

CircuitMedic, 22 Parkridge Road, Haverhill, MA 01835 USA
 Phone: 978-373-1600 | Website: <http://www.circuitmedic.com>
 CircuitMedic disclaims all liability associated with the use of this information.

Revision Date: May 20, 2015
 Page 1 of 5 Pages

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Plating Solution, Solder Strip
Product Numbers: 1 oz: 115-3851, 4 oz: 115-3854
Distributor: CircuitMedic
 22 Parkridge Road, Haverhill, MA 01835 USA
 PHONE: 978-373-1600, FAX: 978-372-5700

Emergency Response: For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
 Call CHEMTREC Day or Night
 Within USA and Canada: 1-800-424-9300 CCN4877
 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)



**HEALTH
HAZARD**



**HARMFUL/
IRRITANT**

Section 2. HAZARD IDENTIFICATION

Classifications: Classification according to Regulation(EC)No1272/2008
 Classifications applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200)

Emergency Overview:**Potential Health Effects:**

Inhalation: Inhalation of vapors or mist, which may be produced at elevated temperature, may cause ulcers of the respiratory tract.
Eyes: Contact with eyes may cause permanent injury.
Skin: Splashes on skin, if not removed promptly, may cause redness and blistering.
Ingestion: If swallowed, may cause injury to mouth, throat, esophagus, and stomach.

Section 3. COMPOSITION, INFORMATION OR INGREDIENTS

Chemical Name	C.A.S. Number	Weight %	OSHA PEL	ACGIH TLV
Ammonium Hydrogen Fluoride	1341-49-7	10-30	N/A	2.5ppm
Hydrogen Peroxide	7722-84-1	5-10	N/A	1.0ppm

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Exposure Limits 8 Hours TWA (PPM)

Section 4. FIRST AID MEASURES

Inhalation: Remove to fresh air. Restore breathing if necessary. Consult a physician.
Eye Contact: Immediately flush eyes with water for at least 15 minutes, consult a physician.
Skin Contact: Wash exposed skin with soap and water, consult a physician if irritation develops.
Ingestion: Give two glasses of water or milk. Inducing vomiting by use of emetic. Get medical attention.

Safety Data Sheet**115-3851/115-3854**

CircuitMedic, 22 Parkridge Road, Haverhill, MA 01835 USA
Phone: 978-373-1600 | Website: <http://www.circuitmedic.com>
CircuitMedic disclaims all liability associated with the use of this information.

Revision Date: May 20, 2015
Page 2 of 5 Pages

Section 5. FIRE-FIGHTING MEASURES

Flash Point & Method: None
Flammable Limits: LEL: N/A UEL: N/A
Autoignition Temperature: N/A
General Hazard: If all water evaporates, oxygen may be released, intensifying fire.
Fire Fighting Instructions: As in any fire involving chemicals, self contained breathing apparatus and protective clothing should be worn.
Hazardous Combustion Prod. N/A
Flammable Properties: N/A
Extinguishing Media: N/A

Section 6. ACCIDENTAL RELEASE MEASURES

Land Spill: Small spills, neutralize with lime and flush to sewer with local approval. Large spills should be contained, pumped to salvage tank and waste treated.
Neutralizing Agent: N/A

Section 7. HANDLING AND STORAGE

Storage Temperature: Ambient
Storage Pressure: Atmospheric
General: In use the solution may undergo rapid exothermic decomposition if adequate volume per surface area relationship is not maintained. See Technical Data Sheet for more information. When opening drum, unscrew bung slowly, letting any pressure escape through loosened threads. Store in a cool place above 40 degrees F. Precipitation of ammonium bifluoride may occur at lower temperatures.

Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Local Exhaust ventilation is recommended. See section 2 for component exposure guidelines.

Personal Protection:

Respirator: Not normally required for the solution as shipped. Exposure to the working beath may require an acid gas respirator if ventilation is inadequate.
Hand Protection: Protective Gloves Recommended (plastic PVC or rubber).
Eye Protection: Use one of the following: Chemical Goggles or Full Face Shield.
Other Recommended: Use one of the following: Eye Bath, Safety Shower, Plastic Apron.
Note 1: In accordance with good industrial hygiene, wash hands with soap and water after working with material.

Safety Data Sheet**115-3851/115-3854**

CircuitMedic, 22 Parkridge Road, Haverhill, MA 01835 USA
Phone: 978-373-1600 | Website: <http://www.circuitmedic.com>
CircuitMedic disclaims all liability associated with the use of this information.

Revision Date: May 20, 2015
Page 3 of 5 Pages/b>

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Density:	1.12g/ml, 9.3Lb/gal
pH:	N/A
Boiling Point:	N/A
Freezing Point:	N/A
Vapor Density (Air = 1):	N/A
% Volatile By Weight:	N/A
% Solids:	0%
Evaporation Rate (Butyl Acetate = 1):	N/A
Solubility in Water:	Complete
Viscosity:	N/A
Molecular Weight:	N/A
Physical State:	Liquid
Molecular Weight:	N/A
Appearance:	Water white with slight odor
Vapor Pressure(mmHg):	N/A

Section 10. STABILITY AND REACTIVITY

General:	Unstable due to the possible decomposition of hydrogen peroxide into water and oxygen.
Incompatible materials and Conditions to Avoid:	Metal containers, heat and reducing agents.
Hazardous Decomposition or Byproducts:	Hydrofluoric acid, ammonia
Hazardous Polymerization:	Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

Results of Component Toxicity Test Performed:	Information not available.
Human Experience:	Information not available.

Section 12. ECOLOGICAL INFORMATION

Further Information: Information not available.

Section 13. DISPOSAL CONSIDERATIONS

RCRA 40 CFR 261 Classification: Federal, State, and Local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Safety Data Sheet**115-3851/115-3854**

CircuitMedic, 22 Parkridge Road, Haverhill, MA 01835 USA
Phone: 978-373-1600 | Website: <http://www.circuitmedic.com>
CircuitMedic disclaims all liability associated with the use of this information.

Revision Date: May 20, 2015
Page 4 of 5 Pages

Section 14. TRANSPORT INFORMATION**DOT, IATA, ICAO, and IMO Description:**

Basic Description:	Tin/Lead Stripper
Proper Shipping Name:	Corrosive Liquid Oxidizing, N.O.S. (Ammonium Hydrogen Fluoride)
Hazard Class:	8
Packaging Group:	111
UN Number:	UN 3093
Label Requirements:	Corrosive Oxidizer
Max. Shippable Qty.:	1 liter
Packaging:	Meets Performance Oriented Packaging Requirements
Reportable Quantity (RQ):	N/A
1996 NAERG Guide#:	N/A
Limitations:	Not shippable Via Air Transportation

Do not transfer to unmarked containers. Non-Regulated under D.O.T.

Section 15. REGULATORY INFORMATION**United States Federal Regulations:**

MSDS complies with OSHA's Hazard Communication Rule, 29 CFR 1910.1200.

CERCLA/SUPERFUND, 40 CFR 117, 302: None of the chemicals are Superfund hazards

SARA SUPERFUND AND REAUTHORIZATION ACT OF 1986 TITLE III Sections 302, 311, 312 and 313: Section 302 Extremely hazardous substances (40 CFR 355): None of the chemicals are Section 302 hazards.

Section 311/312 - Material Safety Data Sheet Requirements (40 CFR 370): By our hazard evaluation, this product is non-hazardous.

TOXIC SUBSTANCE CONTROL ACT (TSCA): All substances are TSCA Listed.

Section 311/312 - Material Safety Data Sheet Requirements (40 CFR 370): By our hazard evaluation, this product is non-hazardous.

TOXIC SUBSTANCE CONTROL ACT (TSCA): All substances are TSCA Listed.

International Regulations:

Canada Whims: NA

Europe EINECS Numbers: NA

Canadian Substance Inventory: One or more of the components of this product do not appear in the Canadian Substance Inventory.

Safety Data Sheet**115-3851/115-3854**

CircuitMedic, 22 Parkridge Road, Haverhill, MA 01835 USA
Phone: 978-373-1600 | Website: <http://www.circuitmedic.com>
CircuitMedic disclaims all liability associated with the use of this information.

Revision Date: May 20, 2015
Page 5 of 5 Pages

Section 16. OTHER INFORMATION**Label Information:**

European risk and Safety Phrases: N/A

European Symbols Needed: N/A

Canadian WHIMS Symbols: N/A

NFPA Hazard Rating: (1) Flammability (1) Health (0) Reactivity

Abbreviations Used in this Document: NE - Not Established, NA - Not Applicable/Not Available, NIF - No Information Found

References:

Code of Federal Regulations (CFR)
The Sigma-Aldrich Library of Regulatory and Safety Data
Chemical Guide and OSHA Hazard Communication Standard
Various Federal, State & Local Regulations

To the best of our knowledge, the information contained herein is accurate. However, neither Circuit Technology Center, Inc., nor any of its subsidiaries assumes 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 which exist.