



Effective Date: _____

Product Name: Amerway _____

Manufacturer: Amerway Inc.

3701 Beale Ave.,
Altoona, PA 16601

PHONE: 814-944-0200

FAX PHONE: 814-944-1463

Emergency Phone Number: 1-800-424-9300 (CHEMTREC)

CHEMTREC (Outside US & Canada): 703-527-3887

To the Purchaser: This SDS contains important environmental, health, and toxicology information for your employees who have ordered this product. Please be sure this information is given to them. If you resell this product, a copy of the SDS should be given to the buyer. Do not use this product for applications for which it is not intended.

H.M.I.S. INFORMATION:

HEALTH	2	
FLAMMABILITY	1	
PHYSICAL HAZARD	1	

SECTION I – IDENTIFICATION

Common Name: Amerway _____

Chemical Family: Soft Soldering Flux

CAS Number: NA

Chemical Name:

NA Formula: See
below

SECTION II – HAZARDS IDENTIFICATION

Classification of Substance or Mixture:

Classification (CLP): NA

Label Elements (CLP): NA



Irritant



Environmentally Damaging



Corrosive

Precautionary Phrases: P264, P270, P273, P280, P301+P312, P305+P351+P338, P330, P337+P313, P301+P330+P331, P304+P340, P309+P311

Risk Phrases: R36/37/38, R34

Safety Phrases: S-26, S-27, S-36/37/39, S-45, S18, S61, S62, S64

See section XVI for full text description of S and R phrases.

Other Hazards: None, if used properly for the intended purpose.

SECTION II – HAZARDS IDENTIFICATION

Components	CAS Number	%	OSHA	H Phrases
Zinc Chloride	7646-85-7	28-38	PEL 1 mg/m ³	H302, H314, H319, H335, H400, H401

Unlisted percentages are non-hazardous stabilizers, and water. None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.

SECTION IV – FIRST AID MEASURES

- Inhalation:** Remove to fresh air.
- Eyes:** Flush with water for fifteen (15) Minutes. Call physician.
- Skin:** Wash thoroughly with soap and water.
- Ingestion:** If patient is fully conscious, give large amounts of water. Obtain medical attention immediately.

Most Important Symptoms and effects, both acute and delayed:

Primary Routes of Entry into Body: Fume inhalation, ingestion, skin, and eyes.

Symptoms of Overexposure: Salivation, coughing, choking, chills, may cause weight loss, brittle bones, anemia, and stiff joints.

Medical Conditions Generally Aggravated by Exposure: Any weakness of the lungs, kidneys or liver will be aggravated.

Chemical Listed as Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): NA

ACGIH Threshold Limit Value (TLV): NA

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 282°C/540°F

Flammable Limits: NA

Extinguishing Media: Dry chemical, CO₂ foam

Auto Ignition Temperature: NA

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: Will not occur

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Spilled: Clean up and dispose of in accordance with EPA regulations.

SECTION VII - HANDLING AND STORAGE

Storage Requirements: Store in plastic containers in cool area, away from heat.

Handling Precautions: Safe precautionary practices to avoid spills and exposure to skin and fumes.

Other Precautions: NA

SECTION VIII - CONTROL MEASURES

Respiratory Protection (TYPE): NIOSH approved respirator.

Ventilation: Yes

Mechanical (General): Explosion proof

Local Exhaust: Yes

Protective Gloves: Recommended, NIOSH approved.

Other Protective Clothing or Equipment: Rubber apron is recommended.

Eye Protection: Safety Glasses

Regulatory Information: The chemical components are listed on TSCA and DSL inventory. See composition section ii for CAS numbers.

SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: > 337°C/639°F

Specific Gravity (Water = 1): NA

Vapor Pressure (mm Hg): NA

Percent Volatile by Volume: 8%

Vapor Density (Air = 1): >1

Evaporation Rate (Butyl Acetate = 1): NA

Melting Point: NA

Solubility in Water: Soluble

Reactivity in Water: None

Appearance and Odor: Colorless Gel

SECTION X - STABILITY AND REACTIVITY

Stability: Product is stable.

(Conditions to Avoid): Metals

Incompatibility: Alkaline, strong oxidizing or reducing materials, cyanides or combustible materials.

Hazardous Decomposition Products: HCl, zinc chloride, zinc oxide, ammonium.

Hazardous Polymerization: Will not occur

(Conditions to Avoid): Excessive heat or cold

SECTION XI - TOXICOLOGICAL INFORMATION**Acute Toxicity Data**

- 1) Oral: LD-50 (rat): Not available
2) Inhalation: LC-50 (rat): Not available 3)
Dermal: LD-50 (rabbit): Not available 4) Skin
Irritation: (rabbit): Not available

Chronic Toxicity Data

- 1) Repeated Skin Application: (rat): Not available 2) Eye
Irritation: (rabbit): Not available

SECTION XII - ECOLOGICAL INFORMATION

This material has not been tested for environmental effects.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with EPA regulations.

SECTION XIV- TRANSPORTATION

D.O.T. Proper Shipping Name: Zinc Chloride, Solution
Hazard Class: 8
Identification Number: UN1840
Packing Group: PG III
Type D.O.T Label Required Information: Corrosive

SECTION XV - REGULATORY INFORMATION

OSHA Hazardous Chemical According to 29 CFR 1910.1200: NA
Carcinogenicity Classification: (Components Present at 0.1% or More)
International Agency for Research on Cancer (IARC): NA
American Conference of Governmental Industrial Hygienists (ACGIH): NA
National Toxicology Program (NTP): NA
Occupational Safety and Health Administration (OSHA): NA

All Components of this Product are listed on the U.S. Toxic Substances Control Act Inventory or Otherwise Comply with TSCA Pre-manufacture Notification Requirements.
This product is RoHS compliant.

SECTION XVI - OTHER INFORMATION

The labeling of this product is indicated in Section II. The full text of all abbreviations indicated by codes in the MSDS are as follows:

R34 R36	Causes burns
R37 R38 S-18 S-26 S-27	Irritating to eyes Irritating to respiratory system Irritating to skin
S-36/37/39 S-45 S61 S62	Handle and open container with care In case of eye contact, rinse thoroughly and get medical attention Take off immediately contaminated clothing
S64 P264 P270 P273	Wear suitable protective clothing, gloves, and eye/face protection In case of accident or if feel unwell call medical advice immediately Avoid release to the environment. Refer to special instructions/safety data sheet If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible. If swallowed, rinse mouth with water (only if the person is conscious). Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid release to the environment.



P280 Wear protective gloves/protective clothing/eye protection/face protection P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P330 Rinse mouth

P337+P313 If eye irritation persists get medical advice/attention

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P309+P311 IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician H302 Harmful if swallowed

H319 Causes serious eye

irritation H401 Toxic to aquatic life

H314 Causes severe skin burns and eye damage H335 May cause respiratory irritation H400 Very toxic to aquatic life

Further information:

Judgments as to the suitability of information herein or the purchaser's purposes are necessarily the purchaser's responsibility. Reasonable care has been taken in the preparation of this material, but there are NO WARRANTIES, NO REPRESENTATIONS AND NO RESPONSIBILITY AS TO THE ACCURACY OR THE SUITABILITY OF THIS INFORMATION FOR ANY PURCHASER'S USE OR FOR ANY CONSEQUENCE TO USE.