

Assembly Technologies International  
(DBA American Beauty Tools)

Safety Data Sheet  
29 CFR 1910.1200



## Section 1: Company and Product Identification

**Product Name:** Ruby Fluid Liquid Flux, Standard & Stainless Steel

**Product Code:** CS-FX4, CS-FX5, CS-FX6 & CS-FX7

**Company:** American Beauty Tools  
1937 Barrett Dr  
Troy, MI 48084  
PH: 1-800-550-2510, 1-248-280-2810

**Emergency** CHEMTREC 24 Hour Emergency Telephone Numbers:

**Response:** 1-(800)-424-9300  
+1 703-527-3887

## Section 2: Hazards Identification

**Hazard Pictograms:**

GHS05



GHS07



GHS09



**Signal Word:**

Danger

**Hazard Category:**

Acute tox, oral Cat 4  
Serious eye damage/eye irritation Cat 2A  
Hazard to aquatic environment, acute Cat 2  
Skin corrosion/irritation Cat 1  
Specific target organ tox, single exp. Cat 3 (resp irrit)  
Hazard to aquatic environment, acute Cat 1

**Hazard Statements:**

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

**Precautionary Statements:**

P264: Wash thoroughly after handling  
P270: Do not eat, drink or smoke when using this product  
P273: Avoid release to the environment  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P305+351+338: 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+313: If eye irritation persists get medical advice/attention  
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P309+311: IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician

**Hazards not otherwise classified:**

Not applicable, none known.

**Other:** Risk Phrases: R36/37/38, R34  
 Safety Phrases: S-26, S-27, S-36/37/39, S-45, S18, S61, S62, S64  
 See section 16 for full text description of S and R phrases

### Section 3: Composition / Information on Ingredients

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Hazardous substance (name)	Hazard Category	CAS#	Weight %
Zinc Chloride	H302, H314, H319 H335, H400, H401	7646-85-7	30-45%

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 4: First Aid Measures

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

**symptoms: 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.

**If ingested:** If patient is fully conscious, give large amounts of water. Obtain medical attention immediately.

**If inhaled:** Remove to fresh air

**Eye contact:** Flush with water for fifteen (15) Minutes. Call physician.

**Skin contact:** Wash thoroughly with soap and water.

**Additional Info:** Chemical Listed as Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): NA

ACGIH Threshold Limit Value (TLV): NA

### Section 5: Fire Fighting Measures

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**General Info:** Special Fire Fighting Procedures: Normal cautions when dealing with chemicals

**Extinguishing** Dry chemical, CO2 foam

**Method / Equipment:**

**Hazardous** Will release small amounts of HCl upon decomposition

**Decomposition Info:**

### Section 6: Accidental Release Measures

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**Personal precautions, Steps to be Taken in Case Material is Spilled:** First neutralize with soda ash or sodium bicarbonate, dilute with water and dispose of in accordance with EPA regulations.  
**protective equipment and procedures:**

**Containment** N/A

**Equipment and Procedures:**

**Cleanup Procedures:** N/A

### Section 7: Handling and Storage

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

**Precautions:**

**Recommendations** Store in plastic containers in cool area, away from heat.

**for Storage:**

**Incompatibilities:** N/A

## Section 8: Exposure Control / Personal Protection

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**General / Ventilation:** Yes

**Engineering** Mechanical (General): Explosion proof

**Controls:** Local Exhaust: Yes

**Work Clothing:** Other Protective Clothing or Equipment: Rubber apron is recommended.

**Eye/face protection:** Safety Glasses

**Skin Protection:** Protective Gloves: Recommended, NIOSH approved

**Respiratory** NIOSH approved respirator.

**Protection:**

**Additional Information:** The chemical components are listed on TSCA and DSL inventory. See composition section 2 for CAS numbers

Substances with Exposure Limit	CAS#	ACGIH-TLV	OSHA-PEL
Zinc Chloride	7646-85-7	N/A	1 mg/m3

## Section 9: Physical and Chemical Properties

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<b>State:</b> Liquid	<b>Melting Point:</b> Not avail	<b>Freezing Point:</b> N/A
<b>Color:</b> Red	<b>Boiling Point/Range:</b> 107oC/225oF	<b>pH</b> 4 – 5 @ 20 - 25°C
<b>Sp Grav:</b> 1.32	<b>Odor:</b> no characteristic	<b>Water Solubility:</b> Unlimited
<b>Evaporation rate:</b> >1	<b>Flash Point:</b> N/A	<b>Part. Coeff (n-octanol/water):</b> Not avail
<b>Upper Flam Limits:</b> Not avail	<b>Lower Flam Limits:</b> Not avail	<b>Vapor Pressure:</b> <18 mm Hg @ 20oC
<b>VOC Content (lbs/gal):</b> N/A	<b>Viscosity:</b> N/A	<b>Autoignition Temp:</b> None

## Section 10: Stability and Reactivity

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**General:** Product is stable  
(Conditions to Avoid): Metals

**Incompatible materials:** Alkaline, strong oxidizing or reducing materials, cyanides or combustible materials.

**Decomposition products:** HCl, zinc chloride, zinc oxide, ammonium.

**Conditions to Avoid:** Hazardous Polymerization: Will not occur (Conditions to Avoid): Excessive heat or cold

**Section 11: Toxicological Information**

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**General Information:** N/A

**Toxicological Information**  
**(product):**  
**Likely Routes of Exposure:** N/A

**Toxicological Information (contained substances)**

Hazardous substance (name)	LD50 Oral	LD50 Dermal	LC50 Inh	Irritancy:
Zinc Chloride	N/A	N/A	N/A	NA

**Carcinogenicity or mutagenicity:** N/A**Sensitization:** N/A**Section 12: Ecological Information**

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**General information:** This material has not been tested for environmental effects.**Aquatic toxicity:** N/A**Degradation / Mobility info:** N/A**Bioaccumulative potential:** N/A**Section 13: Disposal Information**

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**Product disposal:** Dispose of in accordance with EPA regulations.**Container disposal:** N/A**Other considerations:** No further information.**Section 14: Transport Information**

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**DOT:** UN 1840, Zinc Chloride Solution (Contains Zinc Chloride), 8, PGIII**IMO/IMDG:** UN 1840, Zinc Chloride Solution (Contains Zinc Chloride), 8, PGIII**IATA:** UN 1840, Zinc Chloride Solution (Contains Zinc Chloride), 8, PGIII

**TDG:** Ground Canada: (1-gallon and smaller) Classified as Consumer Commodity.  
 Refer to TDG regulations (Canadian Transportation of Dangerous Goods regulations).  
 Recommended Shipper be trained and certified.

**Comments:** Ground USA: (1-gallon and smaller)  
 Classified as ORM-D. Refer to USA CFR 49 Regulations.  
 Recommended Shipper be trained and certified.

**Section 15: Regulatory Information**

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**TSCA:** 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.

**CERCLA RQ:** Not avail

**SARA 311/312:** Not avail

**SARA 313** Not avail

**California Prop 65 PROPOSITION 65 WARNING:** American Beauty tools & accessories are lead-free & RoHS

**Substances:** Compliant. However, use of this product with lead-bearing solders (or any other chemicals found on the current Proposition 65 List) could expose the user to chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.

**Canadian DSL:** All substances in product are listed on the DSL.

**WHMIS:** Not avail

**Other:** This product is RoHS compliant.

**Other:** 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

## **Section 16: Other Information**

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

**SDS Author:** ASSEMBLY TECHNOLOGIES INTERNATIONAL **Version Date:** 6/14/2016

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NE = Not Established N/A = Not Applicable