

## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Identifiers

Product Name: ZW800-1 Carboxylic Acid  
Product Number: 1 mg: 97-02-01-0007;  
10 mg: 97-02-01-0008

Brand: Lab-FLARE®  
CAS Number: 1239619-02-3

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Molecular imaging.

### 1.3 Details of the supplier of the safety data sheet

Company: Curadel ResVet Imaging, LLC  
377 Plantation Street  
Worcester, MA 01605  
USA  
Telephone: 774-243-9515  
Fax: 774-243-9517  
E-mail: [support@resvet.curadel.com](mailto:support@resvet.curadel.com)  
URL: [www.curadelresvetimaging.com](http://www.curadelresvetimaging.com)

### 1.4 Emergency Telephone Number

Emergency Phone #: 774-243-9515

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product.

### 2.2 GHS Label elements, including precautionary statements

Pictogram: None.  
Signal word: No signal word.

Hazard statement(s):  
No known significant effects or critical hazards.

Precautionary statement(s):

No known significant effects or critical hazards.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS**

None.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances**

Synonyms: ZW800-1; ZW800-1 CA  
 Formula: C51H67N4O9S2 • C2HF3O2  
 Molecular Weight: 1057.25 – as TFA salt  
 943.23 – as zwitterion  
 CAS-No. 1239619-02-3  
 EC-No. N/A

**Hazardous Components**

Component	Classification	Concentration
No ingredients are hazardous according to OSHA criteria.		

### 4. FIRST AID MEASURES

**4.1 Description of first aid measures**

**General Advice**

None.

**If Inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In Case of Skin Contact**

Wash off with soap and plenty of water.

**In Case of Eye Contact**

Flush eyes with water as a precaution.

**If Swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**4.2 Most important symptoms and effects, both acute and delayed**

None.

**4.2 Indication of any immediate medical attention and special treatment needed**

None.

**5. FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**

None.

**5.3 Advice for firefighters**

None.

**5.4 Further information**

None.

**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment.

**6.2 Environmental precautions**

None.

**6.3 Methods and materials for containment and cleaning up**

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean up. For waste disposal, see section 13 of the SDS. Clean surface thoroughly to remove residual contamination.

**6.4 Reference to other sections**

None.

**7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly.

Handle in accordance with good industrial hygiene and safety practice.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in tight container.

**7.3 Specific end use(s)**

Molecular imaging.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**Components with workplace control parameters**

None.

**8.2 Exposure controls**

**Appropriate engineering controls**

None.

**Personal protective equipment**

Safety glasses with sideshields. Face shields or goggles may be required if splash potential exists. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area. Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.

**Body Protection**

For handling of laboratory scale quantities, a cloth lab coat. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination.

**Respiratory protection**

Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134).

**Control of environmental exposure**

None.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a) Appearance	Dark purple/blue lyophilized powder.
b) Odor	No data available.
c) Odor Threshold	No data available.
d) pH	No data available.
e) Melting point/freezing point	No data available.
f) Initial boiling point and boiling range	No data available.
g) Flash Point	No data available.
h) Evaporation Rate	No data available.
i) Flammability (solid, gas)	No data available.
j) Upper/Lower flammability or explosive limits	No data available.
k) Vapor Pressure	No data available.
l) Vapor Density	No data available.
m) Relative Density	No data available.
n) Water Solubility	No data available.
o) Partition coefficient: n-octanol/water	No data available.
p) Auto-ignition temperature	No data available.
q) Decomposition temperature	No data available.
r) Viscosity	No data available.
s) Explosive Properties	No data available.
t) Oxidizing properties	No data available.

### 9.2 Other Safety Information

None.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available.

### 10.2 Chemical Stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

No data available.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

Inhalation: No data available.

Dermal: No data available.

#### Skin corrosion/irritation

No data available.

#### Respiratory or skin sensitization

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

IARC: No data available.

ACGIH: No data available.

NTP: No data available.

OSHA: No data available.

**Reproductive Toxicity**

No data available.

**Specific target organ toxicity - single exposure**

No data available.

**Specific target organ toxicity - repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Additional Information**

No data available.

**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

No data available.

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Other adverse effects**

No data available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

#### Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

#### DOT (US)

Not dangerous goods.

#### IMDG

Not dangerous goods.

#### IATA

Not dangerous goods.

## 15. REGULATORY INFORMATION

#### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

#### SARA 311/312 Hazards

No SARA Hazards.

#### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know Components

No components are subject to the Pennsylvania Right to Know Act.



**New Jersey Right To Know Components**

No components are subject to the New Jersey Right to Know Act.

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**16. OTHER INFORMATION**

**16.1 Preparation Information**

Curadel ResVet Imaging  
Product Safety  
774-243-9515

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, 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 that exist.