# SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc.
**Revision date** 07-Feb-2022
**Version** 1.1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

| | |
|---|---|
| Product Name | Acid red 88 |
| Product Code | SC-214482 |

### Recommended use of the chemical and restrictions on use

For research use only. Not intended for diagnostic or therapeutic use.

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

Santa Cruz Biotechnology, Inc.
10410 Finnell Street
Dallas, TX 75220
831.457.3800
800.457.3801
scbt@scbt.com

### Emergency telephone number

Chemtrec
1.800.424.9300 (Within USA)
+1.703.527.3887 (Outside USA)

## 2. HAZARDS IDENTIFICATION

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label elements

| | |
|---|---|
| Signal word | Not classified |
| Hazard statements | Not classified |
| Symbols/Pictograms | Not classified |
| Precautionary Statements - Prevention | Wash hands thoroughly after handling |
| Precautionary Statements - Response | IF exposed or concerned: Get medical advice/attention |

### Hazards not otherwise classified (HNOC)

| | |
|---|---|
| Hazards not otherwise classified (HNOC) | Not applicable |

### Other Information

| | | | | | | |
|---|---|---|---|---|---|---|
| **NFPA** | Health hazards | 0 | | **HMIS** | Health hazards | 0 |
| | Flammability | 0 | | | Flammability | 0 |
| | Stability | 0 | | | Physical hazards | 0 |
| | Physical and chemical properties | - | | | Personal protection | - |



## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|---|---|
| CAS No | 1658-56-6 |
| Molecular Weight | 400.38 |
| Formula | $C_{20}H_{13}NaN_2O_4S$ |

| Chemical name | CAS No. | Weight-% | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|---|---|
| Acid Red 88 | 1658-56-6 | >98 | - | - | - |

## 4. FIRST AID MEASURES

### First Aid Measures

| | |
|---|---|
| General advice | If symptoms persist, call a physician. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. |
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| Inhalation | Remove to fresh air If symptoms persist, call a physician Artificial respiration and/or oxygen may be necessary Call a physician Immediate medical attention is not required Move to fresh air in case of accidental inhalation of vapors |
| Ingestion | Immediate medical attention is not required. Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. |
| Self-protection of the first aider | Use personal protective equipment as required. |

### Most important symptoms and effects, both acute and delayed

| | |
|---|---|
| Symptoms | No information available. |

### Indication of any immediate medical attention and special treatment needed

| | |
|---|---|
| Note to physicians | Treat symptomatically. |

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

| | |
|---|---|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable Extinguishing Media | No information available. |

### Specific hazards arising from the chemical

| | |
|---|---|
| Specific hazards arising from the chemical | No information available. |
| Hazardous combustion products | Hydrogen sulfide. Carbon oxides. Nitrogen oxides (NOx). |

### Explosion data

| | |
|---|---|
| Sensitivity to Mechanical Impact | No information available. |
| Sensitivity to Static Discharge | No information available. |

### Protective equipment and precautions for firefighters

| | |
|---|---|
| Protective equipment and precautions for firefighters | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

| | |
|---|---|
| Personal precautions | Use personal protective equipment as required. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. |

### Environmental precautions

| | |
|---|---|
| Environmental precautions | Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information. |

### Methods and material for containment and cleaning up

| | |
|---|---|
| Methods for containment | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges. |

## 7. HANDLING AND STORAGE

### Precautions for safe handling

| | |
|---|---|
| Advice on safe handling | Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. |

### Conditions for safe storage, including any incompatibilities

| | |
|---|---|
| Storage Conditions | Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Store at room temperature. |
| Incompatible materials | None known based on information supplied. |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

| | |
|---|---|
| Exposure Guidelines | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |

### Appropriate engineering controls

| | |
|---|---|
| Engineering Controls | Showers<br>Eyewash stations<br>Ventilation systems |

### Individual protection measures, such as personal protective equipment

| | |
|---|---|
| Eye/face protection | Tight sealing safety goggles. Face protection shield. |
| Skin and Body Protection | Wear protective gloves and protective clothing. |
| Respiratory protection | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| General Hygiene Considerations | When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Physical State | Solid |
| Appearance | powder |
| Odor | No information available |

| Property | Values |
|---|---|
| pH | No information available |
| Melting point/freezing point | 280 °C |
| Boiling point | No information available |
| Flash point | No information available |
| Liquid Density | No information available |
| Evaporation rate | No information available |
| Upper flammability limits | No information available |
| Lower flammability limit | No information available |
| Vapor pressure | No information available |
| Vapor density | No information available |
| Specific gravity | No information available |
| Water solubility | No information available |
| Solubility in other solvents | No information available |
| Partition coefficient | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | 280 ° C |
| Kinematic viscosity | No information available |
| Explosive properties | No information available |
| Oxidizing properties | No information available |

## 10. STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Not applicable |
| Chemical stability | Stable under recommended storage conditions. |
| Possibility of Hazardous Reactions | None under normal processing. |
| Hazardous polymerization | No information available. |
| Conditions to avoid | Extremes of temperature and direct sunlight. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous Decomposition Products | Hydrogen sulfide. Carbon oxides. Nitrogen oxides (NOx). |

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

| | |
|---|---|
| Inhalation | No data available. |
| Eye contact | No data available. |
| Skin Contact | No data available. |
| Ingestion | No data available. |

### Information on toxicological effects

| | |
|---|---|
| Symptoms | No information available. |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|---|---|
| Chronic Toxicity | Avoid repeated exposure. |

### Numerical measures of toxicity - Product Information

| | |
|---|---|
| Unknown acute toxicity | No information available |

## 12. ECOLOGICAL INFORMATION

| | |
|---|---|
| Ecotoxicity | May cause long lasting harmful effects to aquatic life |

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

| | |
|---|---|
| Persistence and degradability | No information available. |
| Bioaccumulation | No information available. |
| Mobility | No information available. |

## 13. DISPOSAL CONSIDERATIONS

| | |
|---|---|
| Disposal of wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated packaging | Do not reuse container. |
| Other Information | Waste codes should be assigned by the user based on the application for which the product was used. |

## 14. TRANSPORT INFORMATION

| | |
|---|---|
| **DOT** | Not regulated |
| **IMDG** | Not regulated |
| **IATA** | Not regulated |

## 15. REGULATORY INFORMATION

### International Inventories

**All of the components in the product are on the following Inventory lists**

TSCA (United States): Canada (DSL/NDSL) Europe (EINECS/ELINCS/NLP) Australia (AICS) South Korea (KECL): China (IECSC) ENCS (Japan): Philippines (PICCS)

| Chemical name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---|---|---|---|---|---|---|---|---|---|---|
| Acid Red 88 | X | X | - | X | - | X | X | X | X | X |

*X - Listed*
*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
*ENCS - Japan Existing and New Chemical Substances*
*IECSC - China Inventory of Existing Chemical Substances*
*KECL - Korean Existing and Evaluated Chemical Substances*
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

### US Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

| | |
|---|---|
| Acute health hazard | Yes |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive hazard | No |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### US State Regulations

### California Proposition 65
This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations
This product does not contain any substances regulated by state right-to-know regulations

## 16. OTHER INFORMATION

Revision note No information available

### Disclaimer
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**