Safety Data Sheet (SDS)

Product Name: Sodium Dichloroacetate
Revision Date: 2026-09-05 | **Version:** 1.0
Format: OSHA HCS (29 CFR 1910.1200) / GHS

SECTION 1: Identification

- **Product Name:** Sodium Dichloroacetate
- **Synonyms:** DCA sodium, Dichloroacetate Sodium, Sodium 2,2-dichloroacetate
- **CAS Number:** 2156-56-1
- **Identified Uses:** Analytical reference standard, laboratory chemical, in vitro research.
- **Restrictions on Use:** Strictly for analytical R&D or manufacturing use. Not for human or animal consumption. Not a finished drug product. Not for therapeutic or diagnostic application.
- **Company Name:** Albochemicals LLC
- **Company Website:** http://albochem.com
- **Address:** 8 The Green STE 10911, Dover, DE 19901

SECTION 2: Hazard(s) Identification

2.1 Classification of the substance or mixture (GHS Classification)

- Acute toxicity, Oral (Category 4), H302
- Skin irritation (Category 2), H315
- Eye irritation (Category 2A), H319

2.2 GHS Label Elements

Signal Word: Warning
Hazard Statements:

- H302: Harmful if swallowed.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.

Precautionary Statements:

- P264: Wash skin thoroughly after handling.
- P270: Do not eat, drink, or smoke when using this product.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P301 + P312 + P330: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
- P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

- P501: Dispose of contents/container to an approved waste disposal plant.

SECTION 3: Composition / Information on Ingredients

Chemical Name	CAS Number	Concentration
Sodium Dichloroacetate	2156-56-1	≥ 98.0%

- **Formula:** C2HCl2NaO2
- **Molecular Weight:** 150.92 g/mol

SECTION 4: First-Aid Measures

- **General Advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.
- **Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- **Skin Contact:** Wash off with soap and plenty of water. Consult a physician if irritation develops.
- **Eye Contact:** Flush eyes with plenty of water for at least 15 minutes as a precaution. Remove contact lenses if present and easy to do.
- **Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
- **Specific Hazards Arising from the Chemical:** Carbon oxides, Hydrogen chloride gas, Sodium oxides.
- **Special Protective Equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental Release Measures

- **Personal Precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas. Ensure adequate ventilation.
- **Environmental Precautions:** Do not let product enter drains.
- **Methods and Materials for Clean Up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and Storage

- **Precautions for Safe Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
- **Conditions for Safe Storage:** Keep container tightly closed in a dry and well-ventilated place. Store at room temperature or as directed on the label. Protect from light and moisture.

SECTION 8: Exposure Controls / Personal Protection

- **Control Parameters:** Contains no substances with occupational exposure limit values.
- **Engineering Controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.
- **Personal Protective Equipment:**
    - **Eye/Face Protection:** Safety glasses with side-shields conforming to EN166 or NIOSH (US).
    - **Skin Protection:** Handle with gloves. Gloves must be inspected prior to use.
    - **Body Protection:** Complete suit protecting against chemicals.
    - **Respiratory Protection:** For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.

SECTION 9: Physical and Chemical Properties

- **Appearance:** Solid, white to off-white crystalline powder.
- **Odor:** No data available
- **Melting Point:** >300°C (dec.)
- **Solubility:** Soluble in water.

SECTION 10: Stability and Reactivity

- **Chemical Stability:** Stable under recommended storage conditions.
- **Conditions to Avoid:** Light, heat, and moisture.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Formed under fire conditions: Carbon oxides, Hydrogen chloride gas, Sodium oxides.

SECTION 11: Toxicological Information

- **Acute Toxicity:** Handled as potentially harmful if swallowed.
- **Skin/Eye Irritation:** May cause skin/eye irritation.
- **Carcinogenicity:** Not identified as a probable, possible, or confirmed human carcinogen by IARC, NTP, or OSHA.

SECTION 12: Ecological Information

- **Ecotoxicity:** No data available. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal Considerations

- **Waste Treatment Methods:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.
- **Contaminated Packaging:** Dispose of as unused product.

SECTION 14: Transport Information

- **DOT (US) / IMDG / IATA:** Not dangerous goods.

SECTION 15: Regulatory Information

- **SARA 302/313 Components:** No chemicals in this material are subject to reporting requirements.
- **California Prop. 65:** This product does not contain any chemicals known to cause cancer, birth defects, or reproductive harm.

SECTION 16: Other Information

Further Information: The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Albochemicals LLC shall not be held liable for any damage resulting from handling or from contact with the above product.