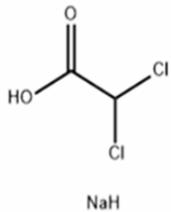


**S.A.I.D****Certificate of Analysis**  
**Pharmaceutical Grade Sodium Dichloroacetate**  
COA No.: A21250305

Product Name	Sodium dichloroacetate
CAS Registry No.	2156-56-1
Structure	
Batch No.	20250112

Index Name	Specifications	Results
Appearance	White fine crystalline powder	Conforms
Identification	IR	Conforms
Purity	≥ 99.0%	99.90%
Water	≤ 1.0%	0.46%
Fe	≤ 0.005%	Conforms
Pb	≤ 0.001%	Conforms
Microbiology with Gama ray	≤ 100 cfu/g	Conforms
Conclusion	Up to the exporting standard	

S.A.I.D - laboratory solutions  
+7913 915 00 44**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifiers**

Product name: Sodium Dichloroacetate  
 Synonyms: Dichloroacetic acid sodium salt  
 CAS No.: 2156-56-1  
 EC No.: 218-461-3  
 HS Code: 2829 11 000 0

**1.2. Intended use substance or mixture:**

Laboratory chemicals, Chemical synthesis, Cell biology

**1.3. Details of the supplier of the safety data sheet**

Company: **S.A.I.D - laboratory solutions**  
 Individual entrepreneur Bolotov Stanislav  
 Novosibirsk, Yadrinsevskaia street 18  
[info@said-lab.com](mailto:info@said-lab.com)

**1.4. Number:** +7 913 915 00 4**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance name: Sodium dichloroacetate  
 Synonyms: Dichloroacetic acid sodium salt  
 Formula: C<sub>2</sub>HCl<sub>2</sub>NaO<sub>2</sub>  
 Molecular weight: 150.92 g/mol  
 Content: 99.9%  
 CAS No.: 2156-56-1  
 EC No.: 218-461-3  
 HS Code: 2829 11 000 0

**3. HAZARDS IDENTIFICATION**

**3.1. Sodium dichloroacetate is classified as a low-hazard substance (hazard class 4 according to GOST 12.1.007-76). The average oral lethal dose for rats is 5281 mg/kg of body weight. It may irritate the eyes, respiratory system and skin.**

**3.2. Physical hazards:**

H315: Causes skin irritation

H319: Causes serious eye irritation

General precautionary statements

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children

P103: Read label before use

Prevention precautionary statements

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P281: Use personal protective equipment as required.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

**4. FIRST AID MEASURES**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**

If breathed in, move person into fresh air. If breathing is difficult, give oxygen. Consult a physician. If not breathing, give artificial respiration. Get medical aid.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

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

**5. FIRE FIGHTING MEASURES**

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing media:	Use water spray, dry chemical, carbon dioxide, or chemical foam
Flash point:	Not available
Autoignition temperature:	Not available
Explosion limits: Lower:	Not available
NFPA rating:	Health: 2 Flammability: 0 Instability: 0

**6. ACCIDENTAL RELEASE MEASURES**

Use proper personal protective equipment as listed in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid dust formation. Avoid breathing dust and mist. Ensure adequate ventilation.

**7. HANDLING AND STORAGE**

IRRITANT. HYGROSCOPIC. Store protected from moisture. Store in a tightly closed container. Store in a dry, cool place (in the refrigerator is recommended) and away from incompatible substances (oxidants). Keep away from sunlight.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Engineering Controls**

Facilities storing and utilizing this material should be equipped with an eye wash and a safety shower facility.

**Personal Protective Equipment**

Eyes:	Wear chemical safety goggles approved NIOSH (US) or EN166(EU).
Skin:	Wear appropriate protective gloves.
Clothing:	Wear appropriate protective clothing.
Respirators:	Wear respirators approved NIOSH (US) or CEN (EU).

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state:	Powder	Color:	White
Vapor pressure:	Not available	Freezing/Melting point:	198 deg C (dec.)
Vapor density:	Not available	Decomposition temperature:	Not available
Evaporation rate:	Not available	Solubility in water:	Soluble in cold
Viscosity:	Not available	Water Specific gravity/ density:	Not available
Odor:	Not available	Molecular formula:	C2HCl2NaO
Boiling point:	Not available	Molecular weight:	150.92 g/mol

**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:	Avoid moisture
10.5. Incompatible materials:	Strong oxidizing agents
10.6. Hazardous decomposition products:	Other decomposition products - no data available

*In the event of fire: see section 5*

**11. TOXICOLOGICAL INFORMATION**

Unless otherwise specified data extracted from RTECS – Register of Toxic Effects of Chemical Substances.

**Toxicity**

Oral (rat) LD50:	5281 mg/kg
Oral (mouse) LD50:	4845 mg/kg
Intraperitoneal (mouse) LD50:	>3000 mg/kg

**12. ECOLOGICAL INFORMATION**

No data available

**13. DISPOSAL CONSIDERATIONS****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

**14. TRANSPORT INFORMATION**

No regulations

**15. OTHER INFORMATION****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.