

# MATERIAL SAFETY DATA SHEET

**Product Name:** 2,4-Dichloroaniline

**CAS No.:** 554-00-7

**Version:** 0

## 1. Identification

**Product Code** : 92524  
**Company Name** : Advent Chembio Private Limited  
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**Company Phone Number** : 022-27690837

## 2. Hazards Identification

### Hazard classification

Acute toxicity, Oral : Category 3  
 Acute toxicity, Inhalation : Category 3  
 Acute toxicity, Dermal : Category 3  
 Specific target organ toxicity - repeated exposure, Oral : Category 2  
 Short-term (acute) aquatic hazard : Category 1  
 Long-term (chronic) aquatic hazard : Category 1



### Labels elements

Hazard symbol

### Signal word

### Hazard statement

: Danger  
 : Toxic if swallowed, in contact with skin or if inhaled.  
 May cause damage to organs through prolonged or repeated exposure.  
 Very toxic to aquatic life with long lasting effects.  
 : Avoid release to the environment.  
 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.  
 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 IF ON SKIN: Wash with plenty of water. Immediately call a POISON CENTER/ doctor.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor.

### Precautionary statement

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**3. Composition/information on ingredients**

<b>Ingredient</b>	: N/A
<b>CAS No.</b>	: 554-00-7
<b>Assay</b>	: NLT 99.0%
<b>Formula</b>	: C <sub>6</sub> H <sub>5</sub> Cl <sub>2</sub> N
<b>Molecular Weight</b>	: 162.02 g/mol

**4. First Aid Measures****Description of first aid measures**

<b>General advice</b>	: Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
<b>Skin contact</b>	: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
<b>Eye contact</b>	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Swallowed</b>	: Get medical advice/attention if you feel unwell. Rinse mouth.
<b>Most important symptoms and effects, both acute and delayed</b>	: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
<b>Indication of any immediate medical attention and special treatment needed</b>	: No data available

**5. Fire fighting measures****Extinguishing media**

<b>Suitable extinguishing media</b>	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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**Special hazards arising from the substance or mixture** : Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Hydrogen chloride gas  
**Advice for firefighters** : Wear self-contained breathing apparatus for firefighting if necessary.

## 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures** : Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.  
**Environmental precautions** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.  
**Methods and materials for containment and cleaning up** : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 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. For precautions see section 2.2.  
**Conditions for safe storage, including any incompatibilities** : Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Light sensitive. Store under inert gas. Air sensitive.

## 8. Exposure Controls / Personal Protection

**Exposure limit** : No data available  
**Appropriate engineering controls** : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.  
**Personal protective equipment**  
 Respiratory protection : Dust respirator. Follow local and national regulations  
 Hand protection : Protective gloves.  
 Eye protection : Safety glasses. A face-shield, if the situation requires.  
 Skin and Body Protection : Protective clothing. Protective boots, if the situation requires.

## 9. Physical and Chemical Properties

**Appearance** : Off white to brown crystalline powder/ Chunks  
**Odor** : No data available  
**pH** : No data available  
**Melting point/freezing point** : Melting point: 59 - 62 °C  
**Initial boiling point and boiling range** : 245 °C

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<b>Flash Point</b>	: 115 °C - closed cup
<b>Vapor pressure</b>	: No data available
<b>Vapor density</b>	: No data available
<b>Relative density</b>	: No data available
<b>Solubility in water</b>	: No data available
<b>Solubility (other)</b>	: No data available

**10. Stability and Reactivity**

<b>Reactivity</b>	: Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.
<b>Chemical stability</b>	: The product is chemically stable under standard ambient conditions (room temperature) .
<b>Possibility of hazardous reactions</b>	: No data available
<b>Conditions to avoid</b>	: Strong heating.
<b>Incompatible materials</b>	: Metals, Oxidizing agents
<b>Hazardous decomposition products</b>	: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulfur oxides

**11. Toxicological Information****Information on toxicological effects**

<b>Acute toxicity</b>	: LD50 Oral - Mouse - 400 mg/kg Remarks: Behavioral: Muscle weakness. Cyanosis Respiratory disorder
<b>Skin corrosion/irritation</b>	: No data available
<b>Serious eye damage/eye irritation</b>	: No data available
<b>Respiratory or skin sensitization</b>	: No data available
<b>Germ cell mutagenicity</b>	: No data available
<b>Carcinogenicity</b>	
IARC	: No data available
NTP	: No data available
OSHA	: No data available
<b>Reproductive toxicity</b>	: No data available
<b>Route of Exposure</b>	: No data available
<b>Signs and Symptoms of Exposure</b>	: No data available

**MATERIAL SAFETY DATA SHEET****Product Name:** 2,4-Dichloroaniline**CAS No.:** 554-00-7**Version:** 0**12. Ecological Information**

- Toxicity** : Toxicity to fish mortality NOEC - *Gasterosteus aculeatus* - 5,2 mg/l - 96 h LC50 - *Pimephales promelas* (fathead minnow) - 8,8 mg/l Toxicity to daphnia and other aquatic invertebrates EC50 - *Daphnia magna* (Water flea) - 0,71 mg/l - 48 h Toxicity to algae EC50 - *Phaeodactylum tricornutum* - 1,1 mg/l - 72 h
- Persistence and degradability** : No data available
- Bioaccumulative potential** : No data available
- Mobility in soil** : No data available.
- Other adverse effects** : No data available.

**13. Disposal consideration**

- Disposal instructions** : Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated packaging** : Dispose of as unused product.

**14. Transport Information**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>	3442	DICHLOROANILINES, SOLID	6.1	II	YES
<b>IMDG</b>	3442	DICHLOROANILINES, SOLID	6.1	II	YES
<b>IATA</b>	3442	DICHLOROANILINES, SOLID	6.1	II	NO

**15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information****Issue Date :** 23/09/2020**Version : 0**

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