

MATERIAL SAFETY DATA SHEET**Product Name:** 4-CHLOROANILINE**CAS No.:** 106-47-8**Version:** 0**1. Identification**

Product Code : 93106
Company Name : Advent Chembio Private Limited
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2. Hazards Identification**Hazard classification**

Carcinogenicity : Category 1 B
Acute toxicity, Inhalation : Category 3
Acute toxicity, Dermal : Category 3
Acute toxicity, Oral : Category 3
Skin sensitisation : Category 1
Acute aquatic toxicity : Category 1
Chronic aquatic toxicity : Category 1

Labels elements

Hazard symbol

**Signal word****Hazard statement**

: Danger
: Toxic if swallowed.
Toxic in contact with skin.
May cause an allergic skin reaction.
Toxic if inhaled. May cause cancer.
Very toxic to aquatic life with long lasting effects.
Precautionary statement : Obtain special instructions before use.
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Avoid release to the environment.
Wear protective gloves/ protective clothing.
IF SWALLOWED: Immediately call a POISON CENTER/doctor. Call a POISON CENTER /doctor.

Supplemental Hazard Statements

: None

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Ingredient	: 4-CHLOROANILINE
CAS No.	: 106-47-8
Percent	: Min 98.0%
Formula	: C ₆ H ₆ ClN
Molecular Weight	: 127.579 g/mol

4. First Aid Measures**Description of 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.
Eye contact	: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Swallowed	: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed	: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	: No data available
Treatment	

5. Fire fighting measures**Extinguishing media**

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

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- Personal precautions, protective equipment and emergency procedures** : Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- 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 inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

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 : Air-purifying respirators
- Hand protection : Handle with gloves
- Eye protection : Face shield and safety glasses
- Skin and Body Protection : Complete suit protecting against chemicals

9. Physical and Chemical Properties

- Appearance** : Off white flakes
- Odor** : No data available
- pH** : 6.9 at 1.00000 g/l at 20.0 °C
- Melting point/freezing point** : 67 - 70 °C - lit.
- Initial boiling point and boiling range** : 232 °C - lit.
- Flash Point** : 120.0 °C - closed cup
- Vapor pressure** : No data available
- Vapor density** : No data available

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Relative density : 1.14 g/cm³ at 100.00 °C
Solubility in water : No data available
Solubility (other) : No data available

10. Stability and Reactivity

Reactivity : No data available
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : No data available
Conditions to avoid : No data available
Incompatible materials : acids, Acid chlorides, Acid anhydrides, Chloroformates, Strong oxidizing agents
Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO_x), Hydrogen chloride gas

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

Acute toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Germ cell mutagenicity : No data available
Carcinogenicity
IARC : No data available
NTP : No data available
OSHA : No data available
Reproductive toxicity : No data available
Route of Exposure : No data available
Signs and Symptoms of Exposure : No data available

12. Ecological Information

Toxicity : No data available
Persistence and degradability : No data available
Bioaccumulative potential : No data available
Mobility in soil : No data available

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	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	2018	CHLOROANILINES, SOLID	6.1	II	NO
IMDG	2018	CHLOROANILINES, SOLID	6.1	II	NO
IATA	2018	CHLOROANILINES, 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 :**22/03/2017**Version** : 0

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