

MATERIAL SAFETY DATA SHEET

Product Name: Aniline

CAS No.: 62-53-3

Version: 0

1. Identification

Product Code : 91868,91544
Company Name : Advent Chembio Private Limited
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2. Hazards Identification**Hazard classification**

Acute toxicity, Oral : Category 3
Acute toxicity, Inhalation : Category 3
Acute toxicity, Dermal : Category 3
Serious eye damage : Category 1
Skin sensitisation : Category 1
Germ cell mutagenicity : Category 2
Carcinogenicity : Category 2
Specific target organ toxicity - repeated exposure : Category 1
Specific target organ toxicity - repeated exposure : Category 1
Acute aquatic toxicity : Category 1
Chronic aquatic toxicity : Category 1

Label elements**Hazard symbol**

Signal word : Danger
Hazard statement : Toxic if swallowed, in contact with skin or if inhaled
May cause an allergic skin reaction.
Causes serious eye damage.
Suspected of causing genetic defects.
Suspected of causing cancer.
Causes damage to organs (Blood) through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.
Precautionary statement : Avoid breathing vapours.

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Avoid release to the environment.
Wear protective gloves/ eye protection/ face protection.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER or doctor/ physician.

Supplemental Hazard Statements : None.

3. Composition/information on ingredients

Ingredient	CAS No
Aniline	62-53-3

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 : Do NOT induce vomiting. 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 : To the best of our knowledge, the chemical, physical, and toxicological properties have not been Thoroughly investigated.

Indication of any immediate medical attention and special treatment needed Treatment : No data available

MATERIAL SAFETY DATA SHEET**Product Name:** Aniline**CAS No.:** 62-53-3**Version:** 0**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)**Advice for firefighters** : Wear self contained breathing apparatus for fire fighting if necessary**Further information** : Use water spray to cool unopened containers**6. Accidental Release Measures****Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. 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** : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations . Keep in suitable, closed containers for disposal.**Reference to other sections** : For disposal see section 13.**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. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Handle under inert gas. Protect from moisture. Light sensitive. Non-combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials**Specific end use(s)** : No data available

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8. Exposure Controls Personal Protection**Control parameters****Components with workplace control parameters****Exposure controls****Appropriate engineering controls** : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.**Personal protective equipment****Eye/face protection** : Use equipment for eye protection tested and approved under appropriate government standards.**Skin Protection Hand protection** : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Wash and dry hands.**Body Protection** : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.**Respiratory protection** : Respiratory protection is required.**9. Physical and Chemical Properties****Appearance** : Clear colorless- slightly yellow liquid**Odor** : No data available**pH** : 8.8 at 36 g/l at 20 °C**Melting point/freezing point** : -6 °C**Initial boiling point and boiling range** : 184 °C**Flash Point** : 70 °C**Vapor pressure** : 0.49 hPa at 20 °C
0.8 hPa at 20 °C**Vapor density** : 3.22 - (Air = 1.0)**Relative density** : 1.022 g/cm³ at 25 °C**Solubility in water** : Soluble**Solubility (other)** : No data available**Formula** : C₆H₇N**Molecular Weight** : 93.13 g/mol**10. Stability and Reactivity****Reactivity** : No data available**Chemical stability** : Stable under recommended storage conditions.

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- Possibility of hazardous reactions** : No data available
- Conditions to avoid** : Heat, flames and sparks.
- Incompatible materials** : Oxidizing agents, Iron and iron salts., Zinc
- Hazardous decomposition products** : No data available

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

- Acute toxicity** : LD50 Oral - Rat - 250 mg/kg
LC50 Inhalation - Mouse - 4 h - 248 ppm
LD50 Dermal - Rabbit - 836 mg/kg
- Skin corrosion/irritation** : Mild skin irritation
- Serious eye damage/eye irritation** : Severe eye irritation
- Respiratory or skin sensitization** : May cause sensitisation by skin contact.
- Germ cell mutagenicity** : Laboratory experiments have shown mutagenic effects.
In vitro tests showed mutagenic effects
- Carcinogenicity** : This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.
Limited evidence of carcinogenicity in animal studies
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Aniline)
- Reproductive toxicity** : No data available
- Specific target organ toxicity - single exposure** : No data available
- Specific target organ toxicity - repeated exposure** : Causes damage to organs through prolonged or repeated exposure. - Blood
- Aspiration hazard** : No data available

12. Ecological Information

- Toxicity** : Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 10,6 mg/l - 96,0 h
Toxicity to daphnia and other aquatic invertebrates
EC50 - Daphnia magna (Water flea) - 80 - 380 mg/l - 48 h
semi-static test EC50 - Daphnia magna (Water flea) - 0,16 mg/l - 48 h
Toxicity to algae EC50 - SELENASTRUM - 19 mg/l - 72 h
- Persistence and degradability** : Biodegradability aerobic - Exposure time 30 d
Result: 90 % - Readily biodegradable.

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(OECD Test Guideline 301D)

Bioaccumulative potential : No data available
Mobility in soil : No data available
Other adverse effects : Very toxic to aquatic life with long lasting effects.

13. Disposal consideration

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws.
Contaminated packaging : Offer rinsed packaging material to local recycling facilities. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	1547	ANILINE	6.1	II	No
IMDG	1547	ANILINE	6.1	II	No
IATA	1547	ANILINE	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** :01/08/2014**Version** : 0

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