

1. Identification

Product Code **CA7554-16**

Product Name **ANILINE pure**

Molecular Formula $C_6H_5NH_2$ =93.13

CAS Number 62-53-3

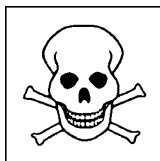
Supplier:  **BEECROFT & PARTNERS**
 Northfield Road
 Rotherham
 South Yorkshire

Phone 01709-377881
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Emergency Telephone 08:30-1700 01709-377881
 24hr 112
 (Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Aniline	62-53-3	200-539-3	> 98.5%	T N : R20/21/22,R40,R48/23/24/25, R50 :Carc.Cat 3	MEL

3. Hazards Identification

Harmful by inhalation, in contact with skin and if swallowed. Limited evidence of carcinogenic effect Toxic: danger of serious damage to health by prolonged exposure through inhalation, contact with skin and if swallowed. Very toxic to aquatic organisms. Carcinogen category: 3

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.

Skin Thoroughly wash off skin with soap and water. Remove contaminated clothing immediately avoiding contamination of unaffected areas.

Inhalation Remove from exposure. Keep warm and at rest. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. OBTAIN MEDICAL ATTENTION URGENTLY.

Ingestion Wash out the patients mouth thoroughly with water. If conscious give plenty of water to drink. Do not induce vomiting. OBTAIN MEDICAL ATTENTION URGENTLY.

5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. Vapour-air mixtures are explosive.

Extinguishing Media Alcohol resistant foam, dry powder, or carbon dioxide. Use water spray to keep fire exposed containers cool.

Unsuitable Media Do not use water jet.

6. Accidental Release Measures

Personal Protection	Ensure no sources of ignition. Only re-enter area with full protective clothing and breathing apparatus. Do not allow other people to enter area. Do not allow general use of area until it is safe to do so.
Environmental	Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Contain and absorb on inert material. Transfer absorbent to container for removal. Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions	Avoid contact with skin and eyes. Do not breath vapours. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains vapour concentrations below the recommended limits.
Storage Conditions	Well ventilated, cool, dry storage . Keep containers closed when not in use.

8.1 Occupational Exposure Limits

Maximum Exposure Limits	Long Term (8hr TWA):	1	ppm	4	mg m-3
	Short Term (15min Period):	-	ppm	-	mg m-3

Special Hazards	Can be absorbed through skin.
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8.2 Personal Protection

Respiratory	Use L.E.V. or natural ventilation to maintain vapour concentrations below exposure limits. If not, use a well maintained chemical cartridge organic vapour respirator, or use self contained breathing apparatus.
Hands	Use solvent resistant gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	Straw coloured liquid.
Odour	Characteristic amine odour.
pH	Not available
Boiling point	184.0 °C
Melting point	-6.0 °C
Flash point	75.0 °C (Closed cup)
Upper Flammable Limit	11.0%
Lower Flammable Limit	1.3%
Auto Ignition	530.0 °C
Explosive properties	Slight.
Oxidising Properties	No.
Vapour Pressure	15mm Hg @ 77 °C
Relative Density	1.0220
Water Solubility	Slightly soluble in water.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Hot surfaces, naked flames or other sources of ignition.
Materials to Avoid	Acids. Strong oxidising agents. Alkalis.

10. Stability & Reactivity (continued)

Hazardous Burning will produce toxic fumes of NO_x, carbon monoxide and/or carbon dioxide.
Decomposition Products

11. Toxicological Information

Eyes Both the vapour and liquid may, cause conjunctival irritation and corneal damage.

Skin Toxic in contact with skin. The liquid will be irritating to the skin. May be absorbed through the skin.

LD50 Skin Rabbit 820mg/Kg

Ingest Toxic if swallowed. Ingestion will cause similar effects to inhalation.

LD50 Ingest Oral Rat 250 mg/Kg

Inhalation Inhalation of vapour may cause methaemoglobinaemia. cyanosis is evident when the methaemoglobin level exceeds 15%; the lips, nose and earlobes becoming blue. weakness and dizziness followed by ataxia, dyspnoea and tachycardia occur at levels above 40%.

Carcinogenicity Historically there is an association of bladder tumours with aromatic amines and the dye industry. But there is no convincing evidence that aniline itself as been the cause of bladder cancer.

Mutagenicity No information is available.

Reproductive Effects None identified.

12. Ecological

Toxic to aquatic species and may cause long term adverse effects in the aquatic environment.

13. Disposal Considerations

Disposal Methods Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

Contaminated Packaging Use a licensed waste disposer.

14. Transport Information

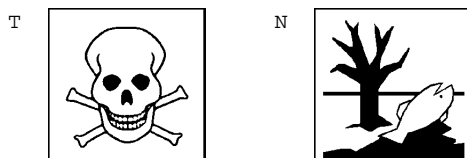
Proper Shipping Name Aniline
UN Number 1547
UN Classification 6.1 Toxic
Subsidiary Risk None
Flash Point 75.0 °C (Closed cup)
Packing Group II
Marine pollutant No
ADR Hazard ID 60



15. Regulatory Information

Labelling Toxic, Dangerous for the Environment.
Classification

Label Symbols



15. Regulatory Information (continued)

Risk & safety Phrases	Harmful by inhalation, in contact with skin and if swallowed. Limited evidence of carcinogenic effect Toxic: danger of serious damage to health by prolonged exposure through inhalation, contact with skin and if swallowed. Very toxic to aquatic organisms. Keep locked up and out of reach of children. After contact with skin, wash immediately with plenty of water. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label). Avoid release to the environment, refer to special instructions/safety data sheet. Carcinogen category: 3
EEC Number	200-539-3

16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC. The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. Revision Date: 19/11/03. Data reviewed and PDF file generated: 07/06/04. Copyright 2004 Beecroft & Partners.
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