

1. Identification

Product Code **CT4554-52**

Product Name **p-TOLUIDINE L.R.
(4-METHYLPHENYLAMINE)**

Molecular Formula $\text{CH}_3\text{C}_6\text{H}_4\text{NH}_2$ =107.15

CAS Number 106-49-0

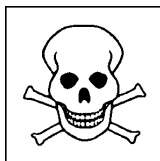
Supplier:  **BEECROFT & PARTNERS**
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(Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
p-TOLUIDINE L.R.	106-49-0	203-403-1	98.5%	T N : R23/24/25,R36,R40,R43,R50	N/A

3. Hazards Identification

Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes. Limited evidence of carcinogenic effect May cause sensitisation by skin contact. Very toxic to aquatic organisms.

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 and wash before re-use. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

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. If unconscious place in the recovery position. OBTAIN MEDICAL ATTENTION URGENTLY.

Ingestion If conscious give plenty of water to drink. Do not induce vomiting. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. If unconscious place in the recovery position. 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.

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

Unsuitable Media Do not use water jet.

6. Accidental Release Measures

Personal Protection	Use approved personal protective equipment. Evacuate area immediately. Do not allow general use of area until it is safe to do so.
Environmental	Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. 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 breathe dust. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.
Storage Conditions	Well ventilated, cool, dry storage .

8.1 Occupational Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory	If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.
Hands	Wear 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	Yellow-brown solid
Odour	Characteristic aromatic odour.
pH	Not available
Boiling point	200.0 °C
Melting point	45.0 °C
Flash point	87.0 °C (Closed cup)
Upper Flammable Limit	6.6%
Lower Flammable Limit	1.1%
Auto Ignition	482.0 °C
Explosive properties	No.
Oxidising Properties	No.
Vapour Pressure	1 mmHg @ 42 C.
Relative Density	1.0460
Water Solubility	Sparingly 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	Strong oxidising agents.
Hazardous Decomposition Products	Burning will produce smoke, carbon monoxide and/or carbon dioxide.

11. Toxicological Information

Eyes	Contact with the solid or dust will be extremely irritating to eyes and can cause chemical eye burns.
Skin	Contact with the solid or dust will Cause severe irritation and burns to the skin. Toxic when absorbed through skin.
LD50 Skin	rbt 890mg/kg
Ingest	Toxic if swallowed. Will cause burns to gastrointestinal tract.
LD50 Ingest	rat 336 mg/kg
Inhalation	Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.
Carcinogenicity	Must be considered to have carcinogenic properties.
Mutagenicity	No information is available.
Reproductive Effects	No information is available.

12. Ecological

Do not allow to enter drinking water supplies, waste water, or soil. Very toxic to aquatic organisms.

13. Disposal Considerations

Disposal Methods	Do not dispose of as domestic waste.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

14. Transport Information

Proper Shipping Name	Toluidines,solid
UN Number	1708
UN Classification	6.1 Toxic
Subsidiary Risk	None
Flash Point	87.0 °C (Closed cup)
Packing Group	II
Marine pollutant	No
ADR Hazard ID	60

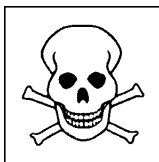


15. Regulatory Information

Labelling	Toxic, Dangerous for the Environment.
Classification	

Label Symbols

T



N



Risk & safety Phrases	Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes. Limited evidence of carcinogenic effect May cause sensitisation by skin contact. 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.
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EEC Number	203-403-1
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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.

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