

1. Identification

Product Code **CA2504-54**

Product Name **ADIPIC ACID pure**

Molecular Formula $\text{HOOC}(\text{CH}_2)_4\text{COOH}$ =146.14

CAS Number 124-04-9

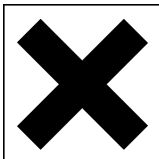
Supplier:  **BEECROFT & PARTNERS**
Northfield Road
Rotherham
South Yorkshire

Phone 01709-377881
Fax 01709-369264

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)
Adipic acid	124-04-9	204-673-3	> 99.9%	Xi : R36	N/A

3. Hazards Identification

Irritating to eyes.

4. First Aid Measures

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

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION.

5. Fire Fighting Measures

Hazards Combustible, but presents no special fire fighting hazards.

Extinguishing Media Water spray, foam, dry powder or carbon dioxide.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection Avoid breathing dust-wear respiratory protective equipment.

Enviromental Presents no major environmental hazard.

Major Spillage Shovel/sweep up into container for removal Wash area down with copious amounts of water.

6. Accidental Release Measures (continued)

Minor Spillage Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions Avoid contact with skin and eyes. Do not breath 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 White free flowing granular material.

Odour No specific odour.

pH 3 (1g/l solution)

Boiling point 330.0 °C

Melting point 152.0 °C

Flash point 196.0 °C (Closed cup)

Upper Flammable Limit Not available

Lower Flammable Limit Not available

Auto Ignition 420.0 °C

Explosive properties No.

Oxidising Properties No.

Vapour Pressure 0.11 hPa @ 25C

Relative Density 1.3400

Water Solubility 2.5%

10. Stability & Reactivity

Chemical Stability Stable under normal conditions

Conditions to Avoid No specific conditions.

Materials to Avoid Strong oxidising agents.

Hazardous None unusual. Burning will produce smoke, carbon monoxide and/or carbon dioxide.

Decomposition Products

11. Toxicological Information

Eyes Contact with the solid or dust will be irritating to the eyes.

Skin Prolonged or repeated exposure may cause irritation and dermatitis.

LD50 Skin Not available

Ingest Low order of acute toxicity. Ingestion of large amounts may cause severe internal irritation and damage, nausea, vomiting, abdominal pains and diarrhoea.

LD50 Ingest Oral rat 3600 mg/Kg

Inhalation Inhalation of dust may produce irritation of the eyes, nose, throat and respiratory tract.

11. Toxicological Information (continued)

Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.
Other Information	Used in the food industry.

12. Ecological

Slightly toxic to aquatic species but is unlikely to bioaccumulate. LC50/96hr/Fathead minnows 88mg/l.

13. Disposal Considerations

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

14. Transport Information

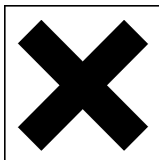
Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	196.0 °C (Closed cup)
Packing Group	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

15. Regulatory Information

Labelling	Irritant.
Classification	

Label Symbols

Xi



Risk & safety Phrases Irritating to eyes. Keep out of reach of children.

EEC Number 204-673-3

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: 15/10/02.
	Data reviewed and PDF file generated: 07/06/04.
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