# Scientific Laboratory Supplies - Safety Data Sheet CHE6042

**(in accordance with regulation (EU) 2015/830 and regulation (EC) 1272/2008)**

Revision: 1.1 Revision date: 29 April 2021
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## Section 1. Identification

**1.1 Product Identifier** CHE6042

Product Name DIETHYL ADIPATE 2.5Kg.

CAS Number 141-28-6

REACH Registration No A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

Molecular Formula $C_{10}H_{18}O_4 = 202.25$

**1.2 Relevent identified uses of the substance or mixure & uses advised against**

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

**1.3 Supplier** Scientific Laboratory Supplies

Unit 6, Foresters Avenue
Fairham Business Park
Fairham
Nottingham
NG11 2AF
UNITED KINGDOM

Phone 0115 9821111
Fax 0115 9825275
Email sales@scientific-labs.com

**1.4 Emergency Telephone** (08:00-17:00) 0115 9821111
(24hr) 112
(Have this document to hand)

## Section 2. Hazards Identification

**2.1 Classification of the substance or mixture**

**Classification according to regulation 1272/2008/EC**

Not classified as hazardous.

**2.2 Label elements**

**Labelling according to regulation 1272/2008/EC**

Not classified as hazardous.

## Section 3. Composition

**3.1 Substances**

Not classified as hazardous.

## Section 4. First Aid

**4.1 Description of first aid measures**

| | |
|---|---|
| Eyes | Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION. |
| Skin | Wash off skin thoroughly with water. |
| Inhalation | Remove from exposure. |
| Ingestion | Wash out the patients mouth thoroughly with water. Do not induce vomiting. |
| Personal protection for first aiders | Wear protective gloves / eye protection. |

**4.2 Most important symptoms and effects, both acute & delayed.**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed.**

No further relevant information available.

## Section 5. Fire Fighting

**5.1 Extinguishing media**

| | |
|---|---|
| Extinguishing Media | Alcohol resistant foam, dry powder, or carbon dioxide. |
| Unsuitable Media | Nothing specified. |

**5.2 Special hazards arising from the substance or mixture**

| | |
|---|---|
| Hazards | Not combustible but assists burning. Presents no specific health hazard if involved in a fire. |

**5.3 Advice for firefighters**

| | |
|---|---|
| Advice for firefighters | Consider all other materials in the vicinity. |

## Section 6. Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures**

| | |
|---|---|
| Personal Protection | Presents no major hazards. Do not allow other people to enter area. |

**6.2 Environmental precautions**

| | |
|---|---|
| Enviromental | Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs. |

**6.3 Methods and material for containment and cleaning up**

| | |
|---|---|
| Major Spillage | Contain and absorb on inert material. Transfer absorbent to salvage container for removal. Wash area down with copious amounts of water. |
| Minor Spillage | Wash area down with copious amounts of water. |

**6.4 Reference to other sections**

See section 8.2 for information on protective equipment and section 13 for information on disposal.

## Section 7. Storage & Handling

**7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Do not breath vapours. Do not allow to contaminate clothing.

**7.2 Conditions for safe storage, including any incompatibilities**

Well ventilated, cool, dry storage . Keep containers closed when not in use.

**7.3 Specific end use(s)**

See section 1.2.

## Section 8. Workplace Exposure & Personal Protection

### 8.1 Control parameters

| | |
|---|---|
| Exposure data source(s) | No hazardous components. |

### 8.2 Exposure controls

| | |
|---|---|
| Hand Protection | Wear gloves. |
| Eye Protection | Use tightly fitting chemical splash proof glasses or goggles. |
| Skin Protection | Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn. |
| Special Hazards | No special precautions required. |

## Section 9. Physical & Chemical Properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Appearance | Clear colourless liquid |
| Odour | Odourless. |
| pH | Not applicable |
| Boiling Point | 251°C |
| Melting Point | -20°C |
| Flash Point | 113°C (Closed cup) |
| Upper Flammable Limit | Not applicable |
| Lower Flammable Limit | Not applicable |
| Auto Ignition | Not applicable |
| Explosive Properties | Slight. |
| Oxidising Properties | No. |
| Vapour Pressure | Not applicable |
| Relative Density | 1.009 g/ml @ 25°C |
| Water Solubility | Not available |

### 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

| | | |
|---|---|---|
| **10.1** | Reactivity | No data available. |
| **10.2** | Chemical Stability | Stable under normal conditions |
| **10.3** | Possibility of hazardous reactions | No data available. |
| **10.4** | Conditions to Avoid | Hot surfaces, naked flames or other sources of ignition. |
| **10.5** | Incompatable Materials | Strong oxidising agents. Hydrogen peroxide, chromium trioxide and potassium permanganate. Nitric/sulphuric acid mixtures. Perchloric and hydrofluoric acids |
| **10.6** | Hazardous Decomposition Products | None unusual. Burning will produce smoke, carbon monoxide and/or carbon dioxide. |

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

| | |
|---|---|
| Eyes | High concentrations of vapour may be irritating to the eyes. |
| Skin | Presents no significant hazard by skin contact. |
| LD50 Skin | Not available |
| Ingestion | Ingestion of large amounts may cause headache, dizziness, nausea, vomiting, thirst and convulsions. |
| LD50 Oral | 8100 mg/kg Mouse |
| Inhalation | High concentrations of vapour may produce irritation of the eyes, nose, throat and respiratory tract. |
| LD50 Inhalation | Not available |
| TCLo | Not available |

| | |
|---|---|
| Carcinogenicity | Not considered to be a carcinogen. |
| Mutagenicity | Not considered to be a mutagen. |
| Reproductive Effects | None identified. |
| Other Information | Used throughout the food and cosmetics industries. |

## Section 12. Ecological

| | | |
|---|---|---|
| **12.1** | Toxicity | Readily bio-degraded in the environment. |
| | LC50 Algal | Not available |
| | LC50 Crustacea | Not available |
| | LC50 Fish | 16.8 mg/l Fathead Minnow (96 hours) |
| **12.2** | Persistence and degradability | No data available. |
| **12.3** | Bioaccumulative potential | No data available. |
| **12.4** | Mobility in soil | No data available. |
| **12.5** | Results of PBT & vPvB assessment | Assessment not required. |
| **12.6** | Other adverse effects | None known at present. |

## Section 13. Disposal Considerations

**13.1 Waste treatment methods**

| | |
|---|---|
| Disposal Methods | Dispose of in a licensed incinerator for organic solvents. Do not dispose of as domestic waste. |
| Contaminated Packaging | Use a licensed waste disposer. Wash out containers with water. |

## Section 14. Transport Information

| | | |
|---|---|---|
| **14.1** | **UN Number** | Non-restricted |
| **14.2** | **Proper Shipping Name** | Non-restricted |
| **14.3** | **Transport classes** | |
| | UN classification | None |
| | Subsidiary hazard(s) | None |
| | Transport category | None |
| | ADR Hazard ID | Non-restricted |
| | Tunnel Restriction Code | Non-restricted |
| **14.4** | **Packing Group** | None |
| **14.5** | **Environment hazards** | See section 12. |
| **14.6** | **Special precautions for user** | No special precautions required. |
| **14.7** | **Transport in bulk** | Not transported in bulk. |

## Section 15. Regulatory Information

**15.1 Safety, health and environment regulations specific for subtance/mixture.**

Not classified as hazardous under Classification, Labelling & Packaging of Substances & Mixtures Regulations (1272/2008/CE).

**15.2 Chemical safety assessment**

Assessment not required.

## Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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