

Camlab Limited – Material Safety Data Sheet


1. Identification

Product Code CC/1841-BH

Product Name **MALONIC ACID pure**

Molecular Formula **CH₂(COOH)₂ =104.06**

CAS Number **141-82-2**

Supplier: **CAMLAB LIMITED**
**Norman Way Industrial Estate
Over
Cambridge
England
CB4 5WE**

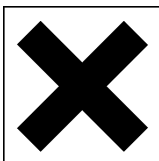
Phone **01954 233110**
Fax **01954 233101**

Emergency Telephone **08:00-17:00 01954 233110**
24hr 112
(Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
MALONIC ACID pure	141-82-2	205-503-0	< 98.0%	Xn : R20/21/22	N/A

3. Hazards Identification



Harmful by inhalation, in contact with skin and if swallowed.

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water until MEDICAL ATTENTION has been obtained.

Skin Thoroughly wash off skin with soap and water.

Inhalation Remove from exposure. If breathing stops or shows signs of failing, apply artificial resuscitation. If breathing is difficult, give oxygen. OBTAIN MEDICAL ATTENTION.

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

5. Fire Fighting Measures

Hazards Can form explosive dust clouds.

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

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection Wear goggles, respirator, rubber boots and heavy rubber gloves.

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 Sweep up, place in a bag and hold for waste disposal. Do not create dust. Ventilate area and wash spill site after material pickup is complete.

6. Accidental Release Measures (continued)

Minor Spillage Sweep up, place in a bag and hold for waste disposal. Do not create dust. Ventilate area and wash spill site after material pickup is complete.

7. Storage & Handling

Handling Precautions Avoid creating dust. Wash thoroughly after handling.

Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.

Storage Conditions Well ventilated, cool, dry storage .

8.1 Workplace Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory Wear NIOSH/MSHA-approved respirator.

Hands Wear rubber 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 crystalline powder.

Odour No specific odour.

pH Not available

Boiling point Not available

Melting point 136.0 °C

Flash point 172.0 °C(Closed cup)

Upper Flammable Limit Not available

Lower Flammable Limit Not available

Auto Ignition Not available

Explosive properties Can form explosive dust clouds.

Oxidising Properties No.

Vapour Pressure Not available

Relative Density Not available

Water Solubility Not specified.

10. Stability & Reactivity

Chemical Stability Stable under normal conditions

Conditions to Avoid Protect from moisture.

Materials to Avoid Strong oxidising agents. Alkalis.

Hazardous In combustion emits carbon dioxide & carbon monoxide.

Decomposition Products

11. Toxicological Information

Eyes Severe eye irritant.

Skin The powder may be harmful if absorbed through the skin.

LD50 Skin Not available

Ingest May be harmful by ingestion.

LD50 Ingest Oral rat 1310mg/Kg

11. Toxicological Information (continued)

Inhalation	Inhalation of dust may produce irritation of the eyes and respiratory tract. The powder may be harmful.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.
Other Information	Symptoms of exposure may include burning sensation, coughing, wheezing, shortness of breath,

12. Ecological

Not biodegradable : highly water contaminating. Known to be toxic to aquatic organisms : no data available.


13. Disposal Considerations

Disposal Methods	Dissolve or mix the material with a combustible solvent. Burn in a chemical incinerator equipped with afterburners and scrubbers.
Contaminated Packaging	Dissolve or mix the material with a combustible solvent. Burn in a chemical incinerator equipped with afterburners and scrubbers.

14. Transport Information

Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	172.0 °C(Closed cup)
Packing Group	None
Transport Category	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

15. Regulatory Information

Labelling	Harmful.
Classification	
Label Symbols	Xn 
Risk & safety Phrases	Harmful by inhalation, in contact with skin and if swallowed. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
EEC Number	205-503-0

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: 6/07/05. Data reviewed and PDF file generated: 17/03/10. Copyright 2010 Camlab Limited.
----------------------	--