

## Material Safety Data Sheet

Date Printed: 16/JUN/2005

Date Updated: 13/MAR/2004

Version 1.1

According to 91/155/EEC

Classified as Hazardous according to the criteria of EU Annex 1 and NOHSC.

---

1 - Product and Company Information

---

Product Name 2-METHYLCYCLOHEXANOL (CIS+TRANS)  
Product Number 66320

Company Sigma-Aldrich Pty. Ltd.  
12 Anella Avenue  
Castle Hill NSW 2154  
Australia

Technical Phone # +61 2 9841 0555 (1800 800 097)  
Fax +61 2 9841 0500 (1800 800 096)  
Emergency Phone # +44 8701906777 (1800 448 465)

---

2 - Composition/Information on Ingredients

---

Product Name	CAS #	EC no	Annex I Index Number
(-)-O,O'-DIBENZOYL-L-TARTARIC ACID	583-59-5	209-512-0	603-010-00-9

Formula C7H14O  
Molecular Weight 114.19 AMU  
Synonyms Cyclohexanol, 2-methyl- (8CI,9CI) \*  
o-Methylcyclohexanone \* o-Methylcyclohexanone  
(ACGIH:OSHA) \* 2-Methylcyclohexanone \*  
2-Metilcicloesanone (Italian) \*  
o-Methylcyclohexanol \* 2-Methylcyclohexyl alcohol

---

3 - Hazards Identification

---

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT  
Harmful by inhalation.

---

4 - First Aid Measures

---

## AFTER INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

## AFTER SKIN CONTACT

In case of contact, immediately wash skin with soap and copious amounts of water.

## AFTER EYE CONTACT

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

---

5 - Fire Fighting Measures

---

EXTINGUISHING MEDIA



BP/BP Range	163 - 167 °C	
MP/MP Range	N/A	
Flash Point	58 °C	Method: closed cup
Flammability	N/A	
Autoignition Temp	N/A	
Oxidizing Properties	N/A	
Explosive Properties	N/A	
Explosion Limits	N/A	
Vapor Pressure	N/A	
SG/Density	0.929 g/cm3	
Partition Coefficient	N/A	
Viscosity	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
Evaporation Rate	N/A	
Bulk Density	N/A	
Decomposition Temp.	N/A	
Solvent Content	N/A	
Water Content	N/A	
Surface Tension	N/A	
Conductivity	N/A	
Miscellaneous Data	N/A	
Solubility	N/A	

---

## 10 - Stability and Reactivity

---

### STABILITY

Materials to Avoid: Strong oxidizing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

---

## 11 - Toxicological Information

---

RTECS NUMBER: GW0220000

### ACUTE TOXICITY

LD50  
Intramuscular  
Mouse  
1 GM/KG

### SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.  
Eye Contact: May cause eye irritation.  
Multiple Routes: Harmful if inhaled or swallowed.

### TARGET ORGAN INFORMATION

Liver. Kidneys.

---

## 12 - Ecological Information

---

No data available.

---

## 13 - Disposal Considerations

---

### SUBSTANCE DISPOSAL

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

---

#### 14 - Transport Information

---

##### RID/ADR

UN#: 2617  
Class: 3  
PG: III  
Proper Shipping Name: Methylcyclohexanols

##### IMDG

UN#: 2617  
Class: 3  
PG: III  
Proper Shipping Name: Methylcyclohexanols  
Marine Pollutant: No  
Severe Marine Pollutant: No

##### IATA

UN#: 2617  
Class: 3  
PG: III  
Proper Shipping Name: Methylcyclohexanols  
Inhalation Packing Group I: No

---

#### 15 - Regulatory Information

---

##### CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES

ANNEX I INDEX NUMBER: 603-010-00-9  
NOTA: C  
INDICATION OF DANGER: Xn  
Harmful.  
R-PHRASES: 20  
Harmful by inhalation.  
S-PHRASES: 24/25  
Avoid contact with skin and eyes.

##### COUNTRY SPECIFIC INFORMATION

##### Germany

WGK: 1

##### SWITZERLAND

SWISS POISON CLASS: 4

---

#### 16 - Other Information

---

##### WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2005 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

DISCLAIMER

For R&D use only. Not for drug, household or other uses.