

## Section 1. Identification

<b>1.1 Product Identifier</b>	ME3968
Product Name	METHYL 4-HYDROXY BENZOATE 50g.
CAS Number	99-76-3
REACH Registration No	01-2119463264-40-XXXX
Molecular Formula	$C_9H_8O_3 = 152.15$

### 1.2 Relevant identified uses of the substance or mixture & uses advised against

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

### 1.3 Supplier

WF Education Group



Phoenix House  
Battlefield Enterprise Park  
Stafford Drive  
Shrewsbury  
Shropshire  
SY1 3FE  
UNITED KINGDOM

Phone                                      +44(0)1743 812200  
Email                                        sales@wf-education.com  
Website                                      www.timstar.co.uk

### 1.4 Emergency Telephone

(08:30-17:00) +44(0)1743 812200  
(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

Hazard to aquatic environment, category 3

H412: Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

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

Hazard Statements                      Harmful to aquatic life with long lasting effects.

Precautionary Statements            Avoid release to the environment.

## Section 3. Composition

### 3.1 Substances

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Methyl 4-hydroxy benzoate	99-76-3	202-785-7	01-2119463264-40-XXXX	>98%	Aquatic Chronic 3

## Section 4. First Aid

#### 4.1 Description of first aid measures

Eyes	Flush with water for at least 15 minutes and contact physician.
Skin	Thoroughly wash off skin with soap and water.
Inhalation	Remove from exposure. If breathing stops or shows signs of failing, apply artificial resuscitation.
Ingestion	If conscious wash out mouth with water.
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	Water spray, foam, dry powder or carbon dioxide.
Unsuitable Media	Nothing specified.

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

Hazards	Presents no specific fire danger.
---------	-----------------------------------

#### 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	Use approved personal protective equipment. Do not create dust. Avoid breathing dust.
---------------------	---

#### 6.2 Environmental precautions

Environmental	Keep material out of sewers, storm drains, surface waters and soil.
---------------	---

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

Major Spillage	Sweep up, place in a bag and hold for waste disposal. Wash area down with copious amounts of water.
Minor Spillage	Sweep up, place in a bag and hold for waste disposal. 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 dust. Do not allow to contaminate clothing.  
Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

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

Well ventilated, cool, dry storage .

#### 7.3 Specific end use(s)

See section 1.2.

## Section 8. Workplace Exposure & Personal Protection

## 8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits	
			Long Term (8hr TWA)	Short Term 15min period
Methyl 4-hydroxy benzoate	99-76-3	>98%	-	-

Exposure data source(s) No occupational exposure data currently available.

## 8.2 Exposure controls

Respiratory Protection Use L.E.V. or natural ventilation to reduce dust concentrations to a minimum.  
Hand Protection Wear gloves.  
Eye Protection Use safety glasses with side shields.  
Skin Protection 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 White crystalline solid.  
Odour No specific odour.  
pH 5.8  
Boiling Point 270-280°C  
Melting Point 126°C Approx.  
Flash Point Not applicable  
Upper Flammable Limit Not applicable  
Lower Flammable Limit Not applicable  
Auto Ignition >600°C  
Explosive Properties No.  
Oxidising Properties No.  
Vapour Pressure Not applicable  
Relative Density Not available  
Water Solubility 0.25%

### 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 No specific conditions.  
10.5 Incompatible Materials Strong oxidising agents, strong bases  
10.6 Hazardous Decomposition Products Burning will produce smoke, carbon monoxide and/or carbon dioxide.

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

Eyes There may be mild irritation at the site of contact.  
Skin There may be mild irritation at the site of contact.  
LD50 Skin Not available  
Ingestion May be harmful by ingestion.  
LD50 Oral 2100 mg/kg Rat

Inhalation	Presents no significant health hazard by inhalation.
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.

## Section 12. Ecological

<b>12.1 Toxicity</b>	Harmful to aquatic life with long lasting effects.
LC50 Algal	91mg/l Algae (72 hours)
LC50 Crustacea	41.1mg/l Daphnia magna (48 hours)
LC50 Fish	59.5mg/l Fish (96 hours)
<b>12.2 Persistence and degradability</b>	No data available.
<b>12.3 Bioaccumulative potential</b>	No data available.
<b>12.4 Mobility in soil</b>	No data available.
<b>12.5 Results of PBT &amp; vPvB assessment</b>	Assessment not required.
<b>12.6 Other adverse effects</b>	None known at present.

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

Disposal Methods	Mix or dissolve with combustible material. Burn in a chemical incinerator equipped with afterburners and scrubbers.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

## Section 14. Transport Information

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

## Section 15. Regulatory Information

### 15.1 Safety, health and environment regulations specific for substance/mixture.

#### Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification	Hazard to aquatic environment, category 3
Hazard Statements	H412 Harmful to aquatic life with long lasting effects.

Hazard Statements (Packs of 100ml/g or less) H412  
Harmful to aquatic life with long lasting effects.

Precautionary Statements P273  
Avoid release to the environment.

Precautionary Statements (Packs of 100ml/g or less) P273  
Avoid release to the environment.

### 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.

Revision number: 1.1 (Supercedes revision 1.0)

Revision date: 16 April 2021

Reviewed by chemist: 16 April 2021

Printed date: 07 June 2021

Copyright: 2021 WF Education Group