

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### SECTION 1: Identification

Identification

Product form : Substance

Substance name 4H-Pyran-4-one, 2-ethyl-3-hydroxy-

CAS-No. 4940-11-8 Product code : (US) W05130 Formula C7H8O3

Ethyl maltol / 2-Ethyl-3-hydroxy-4-pyrone / Pyran(4H)-4-one, 2-ethyl-3-hydroxy- / ETHYL Synonyms

HYDROXYPYRONE / 2-Ethyl-3-hydroxy-4-pyranone

#### Recommended use and restrictions on use

No additional information available

#### Supplier

Synerzine 5340 Hwy 42 S

Ellenwood, Georgia 30294 - USA T 404-524-6744 - F 404-577-1651

info@synerzine.com - www.synerzine.com

### Emergency telephone number

: Infotrac 1-800-535-5053 (Contract# 102471) Dial +1-352-323-3500 when outside the US Emergency number

### SECTION 2: Hazard(s) identification

#### Classification of the substance or mixture

#### GHS-US classification

Harmful if swallowed Acute toxicity (oral) H302

Category 4

Full text of H statements: see section 16

### GHS Label elements, including precautionary statements

### **GHS-US** labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H302 - Harmful if swallowed

Precautionary statements (GHS-US) : P264 - Wash hands, forearms and face thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P301+P312 - If swallowed: Call a doctor, a POISON CENTER if you feel unwell

P330 - Rinse mouth.

P501 - Dispose of contents/container to an approved waste disposal plant

### Other hazards which do not result in classification

No additional information available

## 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

### Substances

Name	Product identifier	%	GHS-US classification
4H-Pyran-4-one, 2-ethyl-3-hydroxy-	(CAS-No.) 4940-11-8	98 - 100	Acute Tox. 4 (Oral), H302
(Main constituent)			

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Full text of hazard classes and H-statements: see section 16

#### 3.2. Mixtures

Not applicable

### SECTION 4: First-aid measures

### Description of first aid measures

First-aid measures general : Call a poison center/doctor/physician if you feel unwell.

First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Rinse mouth. Call a poison center/doctor/physician if you feel unwell.

#### Most important symptoms and effects (acute and delayed)

No additional information available

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

### Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

#### Specific hazards arising from the chemical

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

#### Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

: Ventilate spillage area. Emergency procedures

### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer

to section 8: "Exposure controls/personal protection".

### **Environmental precautions**

Avoid release to the environment.

### Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

#### Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

## Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

: Do not eat, drink or smoke when using this product. Always wash hands after handling the Hygiene measures

product.

### Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

### SECTION 8: Exposure controls/personal protection

### Control parameters

No additional information available

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### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : White crystalline powder.

Color : white

Odor : Sweet caramel-like notes of strawberry jam flavor

Odor threshold No data available рΗ No data available No data available Melting point Freezing point : Not applicable 289 - 290 °C Boiling point : > 200 °F TCC Flash point Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : Non flammable. Vapor pressure : No data available Relative vapor density at 20 °C No data available Relative density : Not applicable Solubility No data available : No data available Log Pow Auto-ignition temperature Not applicable Decomposition temperature No data available : Not applicable Viscosity, kinematic Viscosity, dynamic : No data available **Explosion limits** : Not applicable

### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

### 10.1. Reactivity

Explosive properties

Oxidizing properties

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

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No data available

: No data available

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#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

	4H-Pyran-4-one, 2-ethyl-3-hydroxy- (4940-11-8	yran-4-one, 2-ethyl-3-hydroxy- (4940-11-8)		
	LD50 oral rat	1150 mg/kg		
	ATE US (oral)	1150 mg/kg body weight		
Skin corrosion/irritation : N		: Not classified		
Serious eve damage/irritation :		: Not classified		

Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity – single exposure : Not classified
Specific target organ toxicity – repeated exposure : Not classified
Aspiration hazard : Not classified

### **SECTION** 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

#### **SECTION 13: Disposal considerations**

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

### **Department of Transportation (DOT)**

In accordance with DOT

Other information : No supplementary information available.

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### **Transportation of Dangerous Goods**

Transport by sea

Air transport

### SECTION 15: Regulatory information

### 15.1. US Federal regulations

### 4H-Pyran-4-one, 2-ethyl-3-hydroxy- (4940-11-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

#### **CANADA**

#### 4H-Pyran-4-one, 2-ethyl-3-hydroxy- (4940-11-8)

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

#### 4H-Pyran-4-one, 2-ethyl-3-hydroxy- (4940-11-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### **National regulations**

### 4H-Pyran-4-one, 2-ethyl-3-hydroxy- (4940-11-8)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

### 15.3. US State regulations

No additional information available

### SECTION 16: Other information

## Full text of H-phrases:

	H302	Harmful if swallowed	
NFPA	health hazard	: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.	
NFPA	fire hazard	: 1 - Materials that must be preheated before ignition can occur.	
NFPA	reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.	
Haza	ard Rating		
Heal	th	: 1 Slight Hazard - Irritation or minor reversible injury possible	
Flan	nmability	: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)	
Phys	sical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.	
Pers	onal protection	: C	
		C - Safety glasses, Gloves, Synthetic apron	

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Synerzine US

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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