

# DT4132 - ENZYME SPOTTER

## Safety Data Sheet

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

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : DT4132 - ENZYME SPOTTER  
Product code : DT4132

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

#### 1.3. Details of the supplier of the safety data sheet

Sky Blue Chemical  
760 W. Exchange Road  
Ogden, Utah 84401 - USA  
T (801) 394-8611  
[www.skybluechemical.com](http://www.skybluechemical.com)

#### 1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Skin Sens. 1 May cause an allergic skin reaction

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US) :



GHS07

Signal word (GHS US) :

**Warning**

Hazard statements (GHS US) :

May cause an allergic skin reaction

Precautionary statements (GHS US)

Prevention

: Avoid breathing dust/fume/gas/mist/vapors/spray.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.

Response

: If on skin: Wash with plenty of water.  
Specific treatment (see supplemental first aid instruction on this label).  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.

Disposal

: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

#### 2.4. Unknown acute toxicity (GHS US)

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

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Name	Product identifier	%	GHS US classification
LAVANDULA HYBRIDA OIL	(CAS-No.) 8022-15-9	< 1	Flam. Liq. 4, H227 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,6-Octadien-1-ol, 3,7-dimethyl-, (E)-	(CAS-No.) 106-24-1	< 1	Skin Irrit. 2, H315 Skin Sens. 1, H317
Nerol	(CAS-No.) 106-25-2	< 1	Skin Irrit. 2, H315 Skin Sens. 1A, H317 Aquatic Acute 2, H401

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- 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 : Call a poison center/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

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

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

#### 5.3. Advice for firefighters

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

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

##### 6.1.2. 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".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

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

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### LAVANDULA HYBRIDA OIL (8022-15-9)

Not applicable

##### 2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (106-24-1)

Not applicable

##### Nerol (106-25-2)

Not applicable

#### 8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
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.
Environmental exposure controls	: Avoid release to the environment.

### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
	: No data available
	: No data available
Odor threshold	: No data available
pH	: 6 – 8
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 212 °F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 1.00
Density	: 8.37 lb/gal
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

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

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### 10.2. Chemical stability

Stable under normal conditions.

### 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

2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (106-24-1)	
LD50 oral rat	3600 mg/kg body weight (Rat; Experimental value)
LD50 dermal rabbit	> 5000 mg/kg body weight (Rabbit; Experimental value)
ATE US (oral)	3600 mg/kg body weight

Skin corrosion/irritation : Not classified  
pH: 6 – 8

Serious eye damage/irritation : Not classified  
pH: 6 – 8

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-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.

2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (106-24-1)	
LC50 - Fish [1]	> 9.8 mg/l (LC50; 96 h)

### 12.2. Persistence and degradability

2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (106-24-1)	
Persistence and degradability	Readily biodegradable in water.
ThOD	2.9 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (106-24-1)	
Bioaccumulative potential	No bioaccumulation data available.

### 12.4. Mobility in soil

No additional information available

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### 12.5. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment 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

Not applicable

### Transportation of Dangerous Goods

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Water (7732-18-5)

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

#### Viable bacterial culture

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Citric acid (77-92-9)

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

#### 1-octanesulfonic acid sodium salt (5324-84-5)

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

#### Alpha-terpineol (98-55-5)

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

#### Amyl salicylate (2050-08-0)

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

#### Diphenyl oxide (101-84-8)

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

#### d-Limonene (5989-27-5)

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

#### beta-citronellol, (+/-)- (106-22-9)

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

#### n-Amyl acetate (628-63-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ

5000 lb

#### Benzyl acetate (140-11-4)

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

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<b>1,7,7-trimethylnorcamphor (76-22-2)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>linalol (78-70-6)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>linalyl acetate (115-95-7)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>LAVANDULA HYBRIDA OIL (8022-15-9)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>TERPINEOL ACETATE (8007-35-0)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (106-24-1)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>beta-Caryophyllene (87-44-5)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Mentha Viridis (spearmint) extract (84696-51-5)</b>
Not listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Nerol (106-25-2)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

<b>DT4132 - ENZYME SPOTTER</b>
Not listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Viable bacterial culture</b>
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

<b>Mentha Viridis (spearmint) extract (84696-51-5)</b>
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### 15.3. US State regulations

<b>Diphenyl oxide (101-84-8)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
<b>n-Amyl acetate (628-63-7)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
<b>Benzyl acetate (140-11-4)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
<b>1,7,7-trimethylnorcamphor (76-22-2)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List

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### SECTION 16: Other information

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Full text of H-phrases:

Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 4	Flammable liquids Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, category 1A

SDS US (GHS HazCom 2012) - Custom

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