

3159 Corporate Place, Hayward, CA 94545 U.S.A. Tel: 1-510-265-1027; Fax: 1-510-265-1352

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# MATERIAL SAFETY DATA SHEET

Date Revised: January 14, 2011

## 1. PRODUCT AND COMPANY INFORMATION

Product Name: EvaGreen<sup>™</sup>, 20X in water

Catalog Number:31000Unit Size:5 x 1 mLManufacturer/Supplier:Biotium, Inc.

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## 2. COMPOSITION AND INFORMATION ON INGREDIENTS

**Hazardous / Non-hazardous Components** 

Chemical Name	CAS-No.	EINECS-No.	Weight%	Classification
EvaGreen dye	-	-	<0.1	-
Water	7732-18-5	231-791-2	>99.9	-

## 3. HAZARDS IDENTIFICATION

The product is classified and labeled in accordance with Directive 1999/45/EC

#### Classification

#### Indication of danger:

not hazardous

#### R-phrase(s)

None

## 4. FIRST AID MEASURES

Skin contact Wash off with plenty of water
Eye contact Rinse thoroughly with plenty of water

**Ingestion** Never give anything by mouth to an unconscious person

Inhalation Move to fresh air

Medical treatment Treat symptomatically

#### FIRE FIGHTING MEASURES

Use carbon dioxide, dry chemical extinguishers, foam extinguishers or water. An approved self-contained breathing apparatus and protective clothing are recommended.

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. Soak up spilled substance with inert absorbent material.

## 7. HANDLING AND STORAGE

Store at 4°C. Avoid long-term light exposure

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION



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#### **Exposure limits**

Chemical name	EU OEL(TWA)	EUOEL(STEL)	EU Skin Notation	Austria OEL (MAK)	Belgium (TWA)	Denmark(TWA)	Finland OEL (TWA)
Water	-	-	-	-	-	-	-
Evagreen dye	-	-	-	-	-	-	-

Chemical name	France OEL (VME)	Germany OEL (TWA)	Ireland(TWA)	Italy OEL (TWA)	Netherlands OEL (MAC)	Spain OEL (TWA)	United Kingdom
Water	-	-	-	-	-	-	-
Evagreen dye	-	-	-	-	-	-	-

ACGIH/OSHA Permissible Exposure Limit Data: Not determined

**Engineering measures** No special precautions required.

Personal protective equipment

**Respiratory protection**No special protective equipment required.

Hand protection Protective gloves

**Eye protection**Safety glasses with side-shields
Skin and body protection
Lightweight protective clothing

Hygiene measures Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls**No special environmental precautions required

#### PHYSICAL AND CHEMICAL PROPERTIES

Form: Light orange liquid
Odor: Not determined

Solubility in Water: High

Specific Gravity: Not determined

pH: Neutral

Boiling Point:

Melting Point:

Flash Point:

Vapor Pressure:

Not determined

Not determined

Not determined

Not determined

#### 10. STABILITY AND REACTIVITY

Thermal Decomposition:

Dangerous Products of Decomposition:

Polymerization:

No decomposition if used according to specifications
No dangerous decomposition products identified
Hazardous polymerization does not occur

Stability: Stable

## 11. TOXICOLOGICAL INFORMATION

RTECS Number: None known

Acute Tocixity: Toxicity data: LC<sub>50</sub>>750mg/L. Acute toxicity test, fathead minnows,96 hour exposure,

100% survival

**Potential Health Hazards:** 

EyesNo information availableSkinNo information availableInhalationNo information availableIngestionNo information available

Carcinogenicity: Not listed by NTP, IARC or OSHA

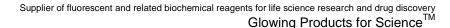
Mutagenicity:

**Bacterial Reverse Mutation Screening Assay(Ames assay)** 

Negative with or without S9 metabolic activation on two histidine dependent Salmonella

typhimurium strains (TA98 and TA1537)

Reproductice toxicity: No information available





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Sensitization: No Information available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity effects:** Contains no substances known to be hazardous to the environment or not degradable in waste

Water treatment plants

Aquatic toxicity:

Test organism: Fathead minnow
Test method: EPA600/4-85/013

Result: Not hazardous or toxic to aquatic life according to CCR Title 22 Hazardous Waste Characterization

quidelines

Mobility:Completely solubleBiodegradation:Inherently biodegradeBioaccumulation:Does not bioaccumulate

#### 13. DISPOSAL CONSIDERATIONS

Consult local, state or national regulations for proper disposal.

#### 14. TRANSPORT INFORMATION

Hazards Class:

Subsidiary Class:

No information available
No information available
No information available

Packing Group: Not classified

Proper Shipping Name (Technical Name): Not classified as dangerous in the meaning of transport regulations

#### 15. REGULATIONS

European Labeling in Accordance with EC Directives 1999/45/EC

#### Indication of danger

Not hazardous

## R-phrase(s)

None

## S-phrase(s)

None

#### **International Inventories**

## 16. OTHER INFORMATION

**Disclaimer:** The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Biotium shall not be held liable for any damage resulting from handling or contact with the above product.