



## SAFETY DATA SHEET

Blue Tec

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### **1.1 Product identifier**

**Product name:** Blue Tec

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

Industrial.

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

PAZKAR Ltd.

Alon Tavor, Industrial zone

P.O.B 2030

Afula, 18000

Israel

Phone: +972-4-6423111

Fax: +972-4-8548870

**E-mail address of person responsible for this SDS:** [info@pazkar.co.il](mailto:info@pazkar.co.il)

#### **1.4 Emergency telephone number**

**Emergency telephone number (with hours of operation):** N/A

### SECTION 2: Hazards identification

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

Classification according to 29 CFR 1910.1200 (OSHA HCS):

Not Classified

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP):

Not Classified

#### **2.2 Label elements**

Labelling according to 29 CFR 1910.1200 (OSHA HCS)

Hazard pictogram(s): Not required

Signal word: Not required

Hazard statement(s): Not required

Precautionary Statement(s): Not required

Labelling in accordance with Regulation 1272/2008 (CLP)

Hazard pictogram(s): Not required

Signal word: Not required

Hazard statement(s): Not required

Precautionary Statement(s): Not required

Supplemental hazard information (EU):

EUH208: Contains 3-(2-Aminoethylamino)propyl trimethoxysilane. May produce an allergic reaction.

#### **2.3 Other hazard**

Not available



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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures:

Ingredient name	Identifiers	%	CLP Classification	OSHA HCS
3-(2-Aminoethylamino)propyl trimethoxysilane	CAS number: 1760-24-3 EC number: 217-164-6	≤0.1	Eye Dam. 1 H318 Skin Sens. 1 H317 Aquatic Chronic 2 H411	Eye Dam. 1 H318 Skin Sens. 1 H317 Aquatic Chronic 2 H411
Trimethoxy vinylsilane	CAS number: 2768-02-7 EC number: 220-449-8	<1	Flam Liq. 3 H226 Acute Tox. 4 H332	Flam Liq. 3 H226 Acute Tox. 4 H332
Reaction mixture of dioctyltin salt and silicate	CAS number: 93925-43-0 EC number: 300-346-5	<0.5	Flam. Liq. 3 H226 STOT RE 1 H372 (Thymus via oral) Aquatic Chronic 4 H413	Flam. Liq. 3 H226 STOT RE 1 H372 (Thymus via oral) Aquatic Chronic 4 H413

See section 16 for the full text of the H-statements declared above.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in section 8.**

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**Eyes contact:** In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Get medical attention.

**Skin contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Get medical attention.

**Inhalation:** Remove the victim from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.

**Ingestion:** **Do not induce vomiting.** If victim is conscious, wash mouth thoroughly with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

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

See section 2.2 (Label elements) and/or section 11 (Toxicological information) for the most important known symptoms and effects.

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

Not available



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### SECTION 5: Fire-fighting measures

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#### **5.1 Extinguishing media**

Suitable: Water spray, carbon dioxide, alcohol-resistant foam, dry powder.

Not suitable: Water jet.

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

Hazardous combustion products: oxides of carbon, oxides of silicon, oxides of nitrogen, sulphur dioxide, hydrogen sulphide and irritating and toxic fumes.

#### **5.3 Advice for firefighters**

**Special protective equipment for fire fighters:** Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

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### SECTION 6: Accidental release measures

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

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Ventilate area of spill. Keep away from sources of ignition. Evacuate personnel to safe areas.

#### **6.2 Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas.

#### **6.3 Methods and materials for containment and cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

#### **6.4 Reference to other sections**

See Section 1 for emergency contact information.

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### SECTION 7: Handling and storage

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#### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapors, mist or gas. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

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

**Storage:** Keep container tightly closed in a dry, cool and well-ventilated place. Store in closed original container. Protect from direct sunlight and moisture. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Keep away from Oxidizing agents, alkalis and strong acids.

#### **7.3 Specific end use(s):** N/A



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### SECTION 8: Exposure control/personal protection

#### 8.1 Control parameters

Ingredient name	Occupational exposure limits
Reaction mixture of dioctyltin salt and silicate	ACGIH-TLV 0.1 mg/m <sup>3</sup> (TWA), 0.2 mg/m <sup>3</sup> (STEL), Tin, organic compound, as Sn

#### 8.2 Exposure controls

##### Engineering measures

If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

##### Person Protective measures

Respiratory protection: Use dust mask in case of spray application. Be sure to use approved/certified equipment or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

Hand protection: Wear protective gloves to prevent skin exposure. It is recommended to use gloves of type: Nitrile rubber, butyl rubber or chloroprene rubber.

Eye protection: Wear protective safety glasses.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Environmental exposure controls: Not available

### SECTION 9: Physical and chemical properties

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

Appearance: viscous light blue liquid

Odour: slight

Odour threshold: N/A

pH: N/A

Melting point/Freezing point: N/A

Initial boiling point/boiling range: decomposes below the boiling point.

Flash point: >200°C

Evaporation rate: N/A

Flammability: N/A

Upper/lower flammability or explosive limits: N/A

Vapor pressure: N/A

Vapor density: N/A

Relative Density: 1.45-1.5 g/cc

Solubility(ies): N/A

Partition coefficient Octanol/Water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Viscosity: 5000-20000 CP

Explosive properties: Not applicable. The study does not need to be conducted because there are no chemical group associated with explosive properties present in the material.

Oxidizing properties: Not applicable. The classification procedure needs not to be applied because there are no chemical group present in the molecule which are associated with oxidizing properties.

#### 9.2 Other information

N/A



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### SECTION 10: Stability and reactivity

#### **10.1 Reactivity**

Not available

#### **10.2 Chemical stability**

The product is stable under normal handling and storage conditions described in Section 7.

#### **10.3 Possibility of hazardous reactions**

Hazardous reactions are not expected, under normal conditions of storage and use.

#### **10.4 Conditions to avoid**

Excess heat, source of ignition, sparks, open flame, sunlight, moisture.

#### **10.5 Incompatible materials**

Oxidizing agents, alkalis, strong acids.

#### **10.6 Hazardous decomposition products**

Other decomposition products: not available

In the event of fire: see section 5

### SECTION 11: Toxicological information

#### **11.1 Information on toxicological effects**

##### **Acute toxicity:**

Product/ingredient name	Test	Species	Dose
3-(2-Aminoethylamino)propyl trimethoxysilane	LD50, Oral	Rat	2995 mg/kg
	LD50, Administration onto the skin	Rat	>2000 mg/kg
Trimethoxy vinylsilane	LD50, Oral	Rat	7120-7236 mg/kg
	LD50, Administration onto the skin	Rabbit	3200 mg/kg
	LC50, Inhalation	Rat	16.8 mg/l/4h
Reaction mixture of dioctyltin salt and silicate	LD50, Oral	Rat	>2000 mg/kg
	LD50, Administration onto the skin	Rabbit	>2000 mg/kg

Skin corrosion/irritation: Not available

Serious eye damage/irritation: Not available

Respiratory or skin sensitization: Not available

Germ cell mutagenicity: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available



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Other effects: Contact with skin or eyes causes erythema (redness). Contact during a long period may cause light skin irritation. Contact with eyes may cause irritation.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Product/ingredient name	Toxicity to algae	Toxicity to fish	Toxicity to crustaceans
Trimethoxy vinylsilane	IC50/72h- Selenastrum capricornutum – 210 mg/L NOEC/72h- Selenastrum capricornutum – 25 mg/L	LC50/96h – Oncorhynchus mykiss - 191 mg/L	EC50/48h – Daphnia magna - 169 mg/L NOEC/21d – Daphnia magna - 28 mg/L

#### 12.2 Persistence and Degradability

Not available

#### 12.3 Bioaccumulative potential

Not available

#### 12.4 Mobility in soil

Not available

#### 12.5 Results of PBT and vPvB assessment

Not available

#### 12.6 Other adverse effects

Not available

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

##### Packing

Empty containers should be taken for local recycling, recovery or waste disposal.

### SECTION 14: Transport information

#### 14.1 Un number

ADR/RID: -

IMDG: -

IATA: -

DOT (US): -

#### 14.2 UN proper shipping name

ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

DOT (US): Not regulated

#### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

DOT (US): -



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### **14.4 Packing group**

ADR/RID: -                      IMDG: -                      IATA: -                      DOT (US): -

### **14.5 Environmental hazard**

ADR/RID: -                      IMDG: -                      IATA: -                      DOT (US): -

### **14.6 Special precautions for user**

Not available

### **14.7 Transport to bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not available

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## **SECTION 15: Regulatory information**

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This SDS complies with the following requirements of:  
EU Regulation (EC) No.1907/2006 (REACH) including amendments  
Regulation (EC) No.1272/2008 (CLP)  
29 CFR 1910.1200 (OSHA HCS)

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### TSCA inventory

The substances in this product are included on or exempted from the TSCA inventory.

### **15.2 Chemical safety assessment**

Not available

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## **SECTION 16: Other information**

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### **HMIS Rating**

Health hazard: 0                      Chronic Health Hazard:0                      Flammability: 0                      Physical Hazard 0

### **NFPA Rating**

Health hazard: 0                      Fire Hazard: 0                      Reactivity Hazard: 0

### **Full text of Hazards Statements referred to in sections 2 and 3:**

Eye dam.- Serious eye damage  
Flam.Liq.- Flammable liquid  
Skin Sens. - Skin sensitization  
Acute Tox.- Acute toxicity  
Aquatic Chronic - Hazardous to the aquatic environment  
STOT RE - Specific target organ toxicity — repeated exposure  
H226: Flammable liquid and vapour.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H332: Harmful if inhaled.  
H372: Causes damage to organs through prolonged or repeated exposure.  
H411: Toxic to aquatic life with long lasting effects.  
H413: May cause long lasting harmful effects to aquatic life.



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Training advice: Before using/handling the product one must read carefully present SDS.

Key Legend Information:

CAS- Chemical Abstract Service

ACGIH- American Conference of Governmental Industrial Hygienists

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology program

IARC- International Agency for Research on Cancer

N/A- Not available

R-phrases- Risk phrases

H-statements- Hazard statements

TLV- Threshold Limit Value

TWA- Time-weighted average

STEL- Short-Term Exposure Limit

CSA- Chemical safety assessment

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