

**Complement Technology, Inc.**

4801 Troup Hwy, Suite 701  
Tyler, Texas 75703, USA

Product: **VBS++**Catalog #: **B112 and B113**

Effective date: 05/29/2015 Ver 2.0

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**1. PRODUCT AND COMPANY IDENTIFICATION****1.1 Product identifiers**Product name : **VBS++**Product Number : **B112 and B113**

Brand : CompTech

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

Identified uses : Laboratory chemicals, Manufacture of substances

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

Company : Complement Technology, Inc. , 4801 Troup Hwy, Tyler, TX 75703 USA

Telephone: 1-903-581-8284

Web: [www.ComplementTech.com](http://www.ComplementTech.com)**1.4 Emergency telephone number**

Emergency Phone : 1-903-581-8284

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**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture:** Not a hazardous substance or mixture.**2.2 GHS Label elements, including precautionary statements:** Not a hazardous substance or mixture.**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none**

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**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Synonyms:** Veronal Buffered Saline with Calcium and Magnesium**3.2 Mixtures/Hazardous components**

Sodium azide CAS-No. 26628-22-8 Concentration: 0.025%

Classification: Not considered a hazardous substance below 1% (w/v).

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**4. FIRST AID MEASURES****4.1 Description of first aid measures****If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

no data available

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### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Hydrogen chloride gas, Magnesium oxide, Calcium oxide, Sodium oxide

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### 5.4 Further information: no data available

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### 6. ACCIDENTAL RELEASE MEASURES

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

Avoid breathing vapours, mist or gas.

For personal protection see section 8.

#### 6.2 Environmental precautions

Do not let product enter drains.

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

Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

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### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

For precautions see section 2.2.

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

Keep container tightly closed in a dry place.

#### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

##### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

**Appropriate engineering controls:** General industrial hygiene practice.

##### Personal protective equipment

**Eye/face protection:** Use protective equipment for eyes.

**Skin protection:** Handle with gloves.

**Body Protection:** Wear impervious laboratory coat.

**Respiratory protection:** Respiratory protection not required.

**Control of environmental exposure:** Do not let product enter drains.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- a) Appearance Form: Aqueous solution
- b) Odour: no data available
- c) Odour: Threshold no data available
- d) pH: 7.2-7.4
- e) Melting point/freezing point: no data available
- f) Initial boiling point and boiling range: no data available
- g) Flash point: not applicable
- h) Evaporation rate: no data available
- i) Flammability (solid, gas): not applicable
- j) Upper/lower flammability or explosive limits: no data available
- k) Vapour pressure: no data available
- l) Vapour density: no data available
- m) Relative density: no data available
- n) Water solubility: no data available
- o) Partition coefficient: n-octanol/water: no data available
- p) Auto-ignition temperature: no data available
- q) Decomposition temperature: no data available
- r) Viscosity: no data available
- s) Explosive properties: no explosion hazard
- t) Oxidizing properties: no data available

**9.2 Other safety information:** no data available

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## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** no data available

**10.2 Chemical stability:** Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions:** Azide may react with heavy metals (lead, copper, mercury) but due to its low concentration in this composition it is considered non-hazardous.

**10.4 Conditions to avoid:** no data available

**10.5 Incompatible materials:** Strong oxidizing agents, Strong acids, Strong bases

**10.6 Hazardous decomposition products:** Carbon dioxide, carbon monoxide, ammonia, hydrogen chloride, oxides of nitrogen, phosphorous and sulfur.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity** no data available

**Inhalation:** no data available

**Dermal:** no data available

**Skin corrosion/irritation:** no data available

**Serious eye damage/eye irritation:** no data available

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**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure:** no data available

**Specific target organ toxicity - repeated exposure:** no data available

**Aspiration hazard:** no data available

**Additional Information:** RTECS: Not available

Stomach irregularities (MgCl<sub>2</sub>) and cardiac irregularities (CaCl<sub>2</sub>).

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## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** no data available

**12.2 Persistence and degradability:** no data available

**12.3 Bioaccumulative potential:** no data available

**12.4 Mobility in soil:** no data available

**12.5 Results of PBT and vPvB assessment:**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects:** no data available

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

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## 15. REGULATORY INFORMATION

### SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

Sodium azide CAS-No. 26628-22-8 Revision Date: 2007-07-01

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**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

No SARA hazards.

**Massachusetts Right To Know Components**

Sodium azide CAS-No. 26628-22-8 Revision Date: 2007-07-01

**Pennsylvania Right To Know Components**

	CAS-No.	Revision Date
Water	7732-18-5	
Sodium barbital	144-02-5	
Sodium chloride	7647-14-5	
Magnesium chloride	7786-30-3	
Calcium chloride	10043-52-4	
Sodium azide	26628-22-8	2007-07-010

**New Jersey Right To Know Components**

	CAS-No.	Revision Date
Water	7732-18-5	
Sodium barbital	144-02-5	
Sodium chloride	7647-14-5	
Magnesium chloride	7786-30-3	
Calcium chloride	10043-52-4	
Sodium azide	26628-22-8	2007-07-01

**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.

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**16. OTHER INFORMATION****HMIS Rating**

Health hazard: 0

Chronic Health Hazard:

Flammability: 0

Physical Hazard 0

**NFPA Rating**

Health hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

The information given above is believed to be correct but is not necessarily all inclusive and should be used only as a guide. Complement Technology, Inc. shall not be held liable for any damage resulting from the handling or from contact with this product.