SAFETY DATA SHEET

Complement Technology, Inc.
4801 Troup Hwy, Suite 701
Tyler, Texas 75703, USA

Product: **VBS++**
Catalog #: **B112 and B113**
Effective date: 04/01/2021

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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

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, cooper, 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 ($MgCl_2$) and cardiac irregularities ($CaCl_2$).

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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.