

	Material Safety Data Sheet		Version 1.0
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1. Identification of the substance/mixture and of the company

Product Name	Vcheck Control cPL
Product code	VCF103CC, VCF129CC
Recommended use of the chemical and restriction on use	For quality control use only. Not for pharmaceutical, household or other uses.
Manufacturer Information	
Name	BioNote, Inc.
Address	22 Samsung 1ro 4gil, Hwaseong-si, Gyeonggi-do 18449 Republic of Korea
Telephone	+82 31 211 0516
Fax	+82 31 8003 0618
Emergency phone number	+82 70 4066 6103

2. Hazards identification

Vcheck Control cPL

a. GHS Classification	The product is not classified as hazardous according to GHS Classification
Flammable liquids	Not applicable
Acute toxicity, Oral	Not applicable
Acute toxicity, Inhalation	Not applicable
Acute toxicity, Dermal	Not applicable
Serious eye damage/eye irritation	Not applicable
Specific target organ toxicity – single exposure	Not applicable
b. GHS-Labeling	
Pictogram	Not applicable
Signal word	No signal word(s).
Hazard statement(s)	No known significant effects or critical hazards.
Precautionary statement(s)	
Response	Not applicable
Storage	Not applicable
Disposal	Not applicable
Supplemental label elements	Not applicable
c. Other hazards which do not result in classification	None

3. Composition/Information on ingredients

Substances	CAS No.	Contents(%)	GHS Classification
Water	7732-18-5	98%<	Not classified
Bovine serum albumin (BSA)	9048-46-8	<1%	Not classified
Etc.	-	<1%	Not classified

Vcheck Control cPL DO NOT CONTAIN MORE THAN 1% OF A COMPONENT CLASSIFIED AS HAZARDOUS AND DO NOT CONTAIN MORE THAN 0.1% OF A COMPONENT AS CARCINOGENIC

4. First aid measures

Description of first aid measures

General information

No special measures required.

After inhalation

Supply fresh air and keep at rest in a position comfortable for breathing; Get medical attention if symptoms



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occur.

After skin contact

Generally the product does not irritate the skin. Flush contacted skin with plenty of water.

After eye contact

Immediately flush eyes with plenty of water for several minutes. Check for and remove any contact lenses. Get medical attention if symptoms occur.

Ingestion

Wash out mouth with water. If material has been swallowed, induce vomiting and call for medical help.

Most important acute symptoms/effects

No data available

Most important delayed symptoms/effects

No data available

5. Fire-Fighting measures

Suitable extinguishing media

Use an extinguishing agent(CO₂, extinguishing powder or water spray) suitable for the surrounding fire. Fight larger fires with water spray or alcohol resistant foam.

Specific hazards arising from the chemical

No specific fire or explosion hazard

Hazardous thermal decomposition products

No specific data

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling

Precautions for safe handling

No special measures required.

Information about protection against explosions and fires

No special measures required.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Recommend storage condition 2 - 30°C (DO NOT FREEZE)

Shelf life 5 year

Further information about storage conditions None.

Specific end use(s) No further relevant information available

8. Exposure controls & personal protection

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls

No data available

Environmental exposure controls

No data available

Individual protection measures

Hygiene measures

The usual precautionary measures for handling chemicals should be followed.

Eye/face protection

Safety eyewear complying with an approved standard should be used

Skin protection
Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all time when handling chemical products if a risk assessment indicates this is necessary.

Body protection

Personal protective equipment for body should be selected based on the task being performed and the risks involved

Other skin protection

Approved footwear and any additional skin protection measures should be selected based on task being performed and the risks involved and should be approved by a specialist before handling this product

Respiratory protection

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary.

Exposure controls
Personal protective equipment
General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment

Not required.

Protection of hands

Protective gloves.

Material of gloves

Synthetic gloves

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection

Safety glasses

9. Physical and chemical properties

Appearance

Physical state	Solid
Color	Various

Safety data

Odor	no data available
Odor Threshold	no data available
pH	no data available
Melting point/Freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	over 100°C (over 212°F)
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Lower and upper explosion limit/flammability limit	no data available
Vapor pressure	no data available
Solubility	no data available
Vapor density	no data available
Relative density	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Formula mass	no data available
Particle characteristics	no data available

10. Stability and reactivity



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Reactivity

no data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

no data available

Conditions to avoid

no data available

Incompatible materials

no data available

Hazardous decomposition products

No dangerous decomposition products known

11. Toxicological information

Acute toxicity

Oral LD50

no data available

Inhalation LC50

no data available

Dermal LD50

no data available

Other information on acute toxicity

no data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Silica-Amorphous, precipitated)

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 (GHS)

no data available

Specific target organ toxicity - repeated exposure (GHS)

no data available

Aspiration hazard

no data available

Synergistic effects

no data available

Additional Information

Not applicable

12. Ecological information



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Ecotoxicity effects

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

13. Disposal considerations

Product

The components of these product are not hazardous. When used for filtration of potentially hazardous chemical or biological liquid/gas, it is recommended for the user to consult regulatory organization. In all other conditions, dispose in accordance with all applicable local regulations.

Contaminated packaging

Dispose of as unused product.

14. Transport information

LAND TRANSPORT(DOT)

Proper Shipping Name

Hazard Class-Primary:

UN/ID No.:

Packing Group

Subsidiary Risk

Not regulated (Not dangerous goods)

AIR TRANSPORT (ICAO/IATA)

Proper Shipping Name

Hazard Class-Primary:

UN/ID No.:

Packing Group

Not regulated (Not dangerous goods)

MARINE TRANSPORT (IMDG/IMO)

Proper Shipping Name

Hazard Class-Primary:

Packing Group

EmS

Not regulated (Not dangerous goods)

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

16. Other information

This Material Safety Data Sheet(MSDS) is prepared on basis of the information obtained from Korea Occupational Safety & Health Agency(KOSHA), however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. It shall be used only as a guide and it does not represent any guarantee of the properties of the product. We assume no responsibility for any damage resulting from handling or from contact with the above product.

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