

Safety Data Sheet

1.	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING						
1.1	Product Identifiers						
	Product Name: Quantikine Immunoassay Control for Human BCMA						
	Catalog Number:	QC308					
	Components:	QC308 Control Low (Proclin 300 mixture)					
		QC308 Control Mid (Proclin 300 mixture)					
		QC308 Control High (Proclin 300 mixture)					
1.2	Relevant identified us	es of the substance or mixture and uses advise	dagainst				
	Identified Uses:	For research use only.					
1.3	Details of the supplier of the safety data sheet						
	Company:	R&D Systems, Inc. a Bio-Techne Brand	Telephone:	1-800-343-7475			
		614 McKinley Place NE	Fax:	1-612-656-4400			
		Minneapolis, MN 55413, USA	Internet:	www.rndsystems.com			
			Email address:	info@bio-techne.com			
	Canada:	21 Canmotor Ave	Telephone:	1-855-668-8722			
		Toronto, ON M8Z 4E6 Canada	Fax:	902-827-6402			
			Email address:	Canada.inquiries@bio-techne.com			
	United Kingdom:	19 Barton Lane	Telephone:	44 (0)1235 529449			
		Abingdon Science Park	Fax:	44 (0)1235 533420			
		Abingdon, OX14 3NB	Email address:	info.emea@bio-techne.com			
	China:	1193 Changning Road	Telephone:	86-400-821-3475			
		Unit 1901, Raffles Changning Office	Fax:	76 (021)52371001			
		Shanghai, China	Email address:	techsupport.cn@bio-techne.com			

1.4 Emergency Telephone Number

Emergency Tel: For chemical emergency, spill, leak, fire, exposure, or accident call CHEMTREC day or night: Within U.S. 1-800-262-8200 Worldwide 1-703-741-5500 Bio-Techne Tel: US: 612-379-2956 or 800-343-7475 / Europe: +44(0)1235-529449 / China 86-400-821-3475

2. HAZARDS IDENTIFICATION

See additional safety data sheets.

RD SYSTEMS a biotechne brand

Safety Data Sheet

1.	IDENTIFICATION OF	THE SUBSTANCE/MIXTURE AND OF THE CO	MPANY/UNDERTAKIN	G			
.1	Product Identifiers						
••	Product Name:	QC308 Control Low (contains Proclin 300 M	ixture)				
.2		es of the substance or mixture and uses advis					
.2	Identified Uses:	For research use only.	buugamot				
		•					
.3		of the safety data sheet	Talaataa	4 000 040 7475			
	Company:	R&D Systems, Inc. a Bio-Techne Brand 614 McKinley Place NE	Telephone: Fax:	1-800-343-7475 1-612-656-4400			
		Minneapolis, MN 55413, USA	Internet:	www.rndsystems.com			
			Email address:	info@bio-techne.com			
	Canada:	461 North Service Rd West	Telephone:	1-855-668-8722			
	Canada.	Unit B37	Fax:	902-827-6402			
		Oakville, ON L6M 2V5	Email address:	Canada.inquiries@bio-techne.com			
	United Kingdom:	19 Barton Lane	Telephone:	44 (0)1235 529449			
		Abingdon Science Park	Fax:	44 (0)1235 533420			
		Abingdon, OX14 3NB	Email address:	info.emea@bio-techne.com			
	China:	1193 Changning Road	Telephone:	86-400-821-3475			
		Unit 1901, Raffles Changning Office	Fax:	76 (021)52371001			
		Shanghai, China	Email address:	techsupport.cn@bio-techne.com			
.4	Emergency Telephone	e Number					
	Emergency Tel: For chemical emergency, spill, leak, fire, exposure, or accident call CHEMTREC day or night: Within U.S. 1-800-262-8200 Worldwide 1-703-741-550 Bio-Techne Tel: US: 612-379-2956 or 800-343-7475 / Europe: +44(0)1235-529449 / China 86-400-821-3475						
	DIO-TECHNE TEL. 00. 01	2-373-2330 01 000-343-74737 Europe. +44(0)123	5-5254457 China 60-400-6	021-0410			
2.	HAZARDS IDENTIFIC	ATION					
2.1	Classification of the s	ubstance or mixture					
	Classification according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]						
	Sensitization, skin - Cat	tegory 1					
.2	Label Elements						
	Labeling according to Regulation (EC) No 1272/2008 [GHS/CLP]						
	Pictogram(s):	\wedge					
	i lotogram(o).						
	Signal Word:	Warning					
	Hazard Statement(s):						
	H317 May cause an allergic skin reaction.						
	Precautionary Statement(s):						
	P261	Avoid breathing dust/fumes/gas/mist					
	P272 P280	Contaminated work clothing should Wear protective gloves/protective clo					
	P200 P302+352	IF ON SKIN: Wash with plenty of soa		notection.			
	P333+313	If skin irritation or rash occurs: Get m	nedical advice/attention.				
2.3	P362+P364 Other Hazards - None	Take off contaminated clothing and v	vash it before reuse.				
	COMPOSITION/INFORMATION ON INGREDIENTS						
	COMPOSITION/INFO	RMATION ON INGREDIENTS					
•	COMPOSITION/INFO Substances	RMATION ON INGREDIENTS					
3. 3.1		RMATION ON INGREDIENTS					

Mixt 3.2

Mixtures							
Component	CAS No.	EC No.	Index No.	Classification	Conc.		
Proclin 300 Mixture <0.1% (active	96118-96-6	H317					

ingredients)

Mixture of 5-Chloro-2-Methyl-4- Isothiazolin-3-One (26172-55-4) and 2-Methyl-4-Isothiazolin-3- One (2682-20-4)

55965-84-9

613-167-00-5

< 0.1 %

4.	FIRST AID MEASURES
4.1	Description of first aid measures
	General Advice
	Consult a doctor and show this safety data sheet.
	If Inhaled Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.
	In Case of Skin Contact
	Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor.
	In Case of Eye Contact
	Flush with copious amounts of water for at least 15 minutes. Consult a doctor.
	If Swallowed
	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.
4.2	Most important symptoms and effects, both acute and delayed
	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
4.3	Indication of immediate medical attention and special treatment needed
	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
5.	FIRE-FIGHTING 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
	In combustion, may emit toxic fumes.
5.3	Precautions for fire-fighters
	Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.
6.	ACCIDENTIAL RELEASE MEASURES
6.1	Personal precautions, protective equipment and emergency procedures
	Do not take action without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.
6.2	Environmental precautions
	Do not let product enter drains.
6.3	Methods and materials for containment and cleaning up
	Cover spillage with suitable absorbent material. Hold all material for appropriate disposal as described under section 13 of SDS.
6.4	Reference to other sections
	For required PPE see section 8. For disposal see section 13.
7.	HANDLING AND STORAGE
7.1	Precautions for safe handling
	Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.
7.2	Conditions for safe storage, including any incompatibilities
-	Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use.
7.3	Specific end uses
	Not applicable.
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
	Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and
	eye wash station.
	Developed a strength and the strength an

Personal Protective Equipment

Eye / Face Protection

Use appropriate safety glasses.

Skin Protection

Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

Body Protection

Wear appropriate protective clothing.

Respiratory Protection

If risk assessment indicates necessary, use a suitable respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

	Appearance Odor Odor Threshold pH Melting / Freezing Point Boiling Point / Range Flash Point Evaporation Rate Flammability (Solid, Gas) Upper / Lower Flammability or Explosive Limits	Lyophilized white powder or clear liquid Little to none No data available. No data available. No data available. No data available. No data available. No data available. No data available.	Vapor Pressure Vapor Density Relative Density Solubility Partition Coefficient Auto ignition Temperature Decomposition Temperature Viscosity Explosive Properties Oxidizing Properties	No data available. No data available.
9.2	Other safety information			

No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Heat, moisture.

10.5 Incompatible materials

Strong acids/alkalis, strong oxidizing/reducing agents.

10.6 Hazardous decomposition products

Strong acids/alkalis, strong oxidizing/reducing agents.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Classified based on available data.

Skin Corrosion / Irritation

Classified based on available data.

Serious Eye Damage / Irritation

Classified based on available data.

Respiratory or Skin Sensitization

Classified based on available data.

Germ Cell Mutagenicity

Classified based on available data.

Carcinogenicity

Classified based on available data.

Reproductive Toxicity

Classified based on available data.

Specific Target Organ Toxicity - Single Exposure

Classified based on available data.

Specific Target Organ Toxicity - Repeated Exposure

Classified based on available data.

Aspiration Hazard

Classified based on available data.

Symptoms / Routes of Exposure

Inhalation: There may be irritation of the	throat with a feeling of tightness in the chest.
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Ingestion:	There may be irritation of the throat.
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Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness.

Delayed/Immediate Effects: No known symptoms

Additional Information

Classified based on available data

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.

Contaminated Packaging

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

14. TRANSPORT INFORMATION

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA.

14.1 UN-Number

Does not meet the criteria for classification as hazardous for transport.

14.2 UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

14.3 Transport hazard class(es)

Does not meet the criteria for classification as hazardous for transport.

14.4 Packaging group

Does not meet the criteria for classification as hazardous for transport.

14.5 Environmental hazards

Does not meet the criteria for classification as hazardous for transport.

14.6 Special precautions for users

Does not meet the criteria for classification as hazardous for transport.

Additional Transport Information

Does not meet the criteria for classification as hazardous for transport.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

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

TSCA (Toxic Substances Control Act): Not applicable. SARA 313: Not applicable.

SARA 311/312: Not applicable.

CERCLA Reportable Quantity: Not applicable.

California Proposition 65: Not applicable.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been made for this product.

16. OTHER INFORMATION

Further Information

Copyright © 2018 R&D Systems, Inc. a Bio-Techne Brand

This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet.

RD SYSTEMS a biotechne brand

Safety Data Sheet

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		THE SUBSTANCE/MIXTURE AND OF THE CO	JWFAN I/UNDERTAKIN	3			
.1	Product Identifiers						
	Product Name:	QC308 Control Mid (contains Proclin 300 Mi	ixture)				
.2	Relevant identified us	ses of the substance or mixture and uses advise	ed against				
	Identified Uses:	For research use only.					
.3	Details of the supplier	r of the safety data sheet					
	Company:	R&D Systems, Inc. a Bio-Techne Brand	Telephone:	1-800-343-7475			
		614 McKinley Place NE	Fax:	1-612-656-4400			
		Minneapolis, MN 55413, USA	Internet:	www.rndsystems.com			
			Email address:	info@bio-techne.com			
	Canada:	461 North Service Rd West	Telephone:	1-855-668-8722			
		Unit B37	Fax:	902-827-6402			
		Oakville, ON L6M 2V5	Email address:	Canada.inquiries@bio-techne.com			
	United Kingdom:	19 Barton Lane	Telephone:	44 (0)1235 529449			
		Abingdon Science Park	Fax:	44 (0)1235 533420			
		Abingdon, OX14 3NB	Email address:	info.emea@bio-techne.com			
	China:	1193 Changning Road	Telephone:	86-400-821-3475			
		Unit 1901, Raffles Changning Office	Fax:	76 (021)52371001			
		Shanghai, China	Email address:	techsupport.cn@bio-techne.com			
4	Emergency Telephon	e Number					
	HAZARDS IDENTIFIC	ATION					
1	Classification of the substance or mixture						
	Classification according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]						
	Sensitization, skin - Ca	tegory 1					
2	Label Elements						
	Labeling according to Regulation (EC) No 1272/2008 [GHS/CLP]						
	Pictogram(s):						
		$\mathbf{\nabla}$					
	Signal Word:	Warning					
	Signal Word: Hazard Statement(s):	Warning					
		Warning May cause an allergic skin reaction.					
	Hazard Statement(s):	May cause an allergic skin reaction.					
	Hazard Statement(s): H317	May cause an allergic skin reaction.	t/vapors/spray.				
	Hazard Statement(s): H317 Precautionary Stateme P261 P272	May cause an allergic skin reaction. nt(s): Avoid breathing dust/fumes/gas/mist Contaminated work clothing should	not be allowed out of the				
	Hazard Statement(s): H317 Precautionary Stateme P261 P272 P280	May cause an allergic skin reaction. nt(s): Avoid breathing dust/fumes/gas/mist Contaminated work clothing should Wear protective gloves/protective clo	not be allowed out of the pothing/eye protection/face p				
	Hazard Statement(s): H317 Precautionary Stateme P261 P272 P280 P302+352 P333+313	May cause an allergic skin reaction. nt(s): Avoid breathing dust/fumes/gas/mist Contaminated work clothing should Wear protective gloves/protective clo IF ON SKIN: Wash with plenty of soa If skin irritation or rash occurs: Get m	not be allowed out of the pothing/eye protection/face pap and water. nedical advice/attention.				
3	Hazard Statement(s): H317 Precautionary Stateme P261 P272 P280 P302+352 P333+313 P362+P364	May cause an allergic skin reaction. nt(s): Avoid breathing dust/fumes/gas/mist Contaminated work clothing should Wear protective gloves/protective clo IF ON SKIN: Wash with plenty of soa If skin irritation or rash occurs: Get m Take off contaminated clothing and w	not be allowed out of the pothing/eye protection/face pap and water. nedical advice/attention.				
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	Hazard Statement(s): H317 Precautionary Stateme P261 P272 P280 P302+352 P333+313 P362+P364 Other Hazards - None	May cause an allergic skin reaction. nt(s): Avoid breathing dust/fumes/gas/mist Contaminated work clothing should Wear protective gloves/protective clo IF ON SKIN: Wash with plenty of soa If skin irritation or rash occurs: Get m Take off contaminated clothing and w	not be allowed out of the othing/eye protection/face p ap and water. nedical advice/attention.				
	Hazard Statement(s): H317 Precautionary Stateme P261 P272 P280 P302+352 P333+313 P362+P364 Other Hazards - None	May cause an allergic skin reaction. nt(s): Avoid breathing dust/fumes/gas/mist Contaminated work clothing should Wear protective gloves/protective clo IF ON SKIN: Wash with plenty of soz If skin irritation or rash occurs: Get m Take off contaminated clothing and w	not be allowed out of the othing/eye protection/face p ap and water. nedical advice/attention.				
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Mixt 3.2

2	Mixtures							
	Component	CAS No.	EC No.	Index No.	Classification	Conc.		
	Proclin 300 Mixture <0.1% (active	96118-96-6	H317					

ingredients)

Mixture of 5-Chloro-2-Methyl-4- Isothiazolin-3-One (26172-55-4) and 2-Methyl-4-Isothiazolin-3- One (2682-20-4)

55965-84-9

613-167-00-5

< 0.1 %

4.	FIRST AID MEASURES
l.1	Description of first aid measures
	General Advice
	Consult a doctor and show this safety data sheet.
	If Inhaled
	Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.
	In Case of Skin Contact
	Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor. In Case of Eye Contact
	Flush with copious amounts of water for at least 15 minutes. Consult a doctor.
	If Swallowed
	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.
4.2	Most important symptoms and effects, both acute and delayed
	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
4.3	Indication of immediate medical attention and special treatment needed
	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
5.	FIRE-FIGHTING 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
	In combustion, may emit toxic fumes.
5.3	Precautions for fire-fighters
	Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.
6.	ACCIDENTIAL RELEASE MEASURES
6.1	Personal precautions, protective equipment and emergency procedures
	Do not take action without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.
6.2	Environmental precautions
	Do not let product enter drains.
6.3	Methods and materials for containment and cleaning up
	Cover spillage with suitable absorbent material. Hold all material for appropriate disposal as described under section 13 of SDS.
6.4	Reference to other sections
	For required PPE see section 8. For disposal see section 13.
7.	HANDLING AND STORAGE
7.1	Precautions for safe handling
	Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.
7.2	Conditions for safe storage, including any incompatibilities
	Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use.
7.3	Specific end uses
	Not applicable.
3.	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
	Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and
	eye wash station.

Personal Protective Equipment

Eye / Face Protection

Use appropriate safety glasses.

Skin Protection

Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

Body Protection

Wear appropriate protective clothing.

Respiratory Protection

If risk assessment indicates necessary, use a suitable respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

	Appearance Odor Odor Threshold pH Melting / Freezing Point Boiling Point / Range Flash Point Evaporation Rate Flammability (Solid, Gas) Upper / Lower Flammability or Explosive Limits	Lyophilized white powder or clear liquid Little to none No data available. No data available. No data available. No data available. No data available. No data available. No data available.	Vapor Pressure Vapor Density Relative Density Solubility Partition Coefficient Auto ignition Temperature Decomposition Temperature Viscosity Explosive Properties Oxidizing Properties	No data available. No data available.
9.2	Other safety information			

No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Heat, moisture.

10.5 Incompatible materials

Strong acids/alkalis, strong oxidizing/reducing agents.

10.6 Hazardous decomposition products

Strong acids/alkalis, strong oxidizing/reducing agents.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Classified based on available data.

Skin Corrosion / Irritation

Classified based on available data.

Serious Eye Damage / Irritation

Classified based on available data.

Respiratory or Skin Sensitization

Classified based on available data.

Germ Cell Mutagenicity

Classified based on available data.

Carcinogenicity

Classified based on available data.

Reproductive Toxicity

Classified based on available data.

Specific Target Organ Toxicity - Single Exposure

Classified based on available data.

Specific Target Organ Toxicity - Repeated Exposure

Classified based on available data.

Aspiration Hazard

Classified based on available data.

Symptoms / Routes of Exposure

Inhalation:	There may be irritation of the throat with a feeling of tightness in the che	st.
-------------	--	-----

Ingestion:	There may be irritation of the throat.
------------	--

Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness.

Delayed/Immediate Effects: No known symptoms

Additional Information

Classified based on available data

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.

Contaminated Packaging

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

14. TRANSPORT INFORMATION

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA.

14.1 UN-Number

Does not meet the criteria for classification as hazardous for transport.

14.2 UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

14.3 Transport hazard class(es)

Does not meet the criteria for classification as hazardous for transport.

14.4 Packaging group

Does not meet the criteria for classification as hazardous for transport.

14.5 Environmental hazards

Does not meet the criteria for classification as hazardous for transport.

14.6 Special precautions for users

Does not meet the criteria for classification as hazardous for transport.

Additional Transport Information

Does not meet the criteria for classification as hazardous for transport.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

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

TSCA (Toxic Substances Control Act): Not applicable. SARA 313: Not applicable.

SARA 311/312: Not applicable.

CERCLA Reportable Quantity: Not applicable.

California Proposition 65: Not applicable.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been made for this product.

16. OTHER INFORMATION

Further Information

Copyright © 2018 R&D Systems, Inc. a Bio-Techne Brand

This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet.

RD SYSTEMS a biotechne brand

Safety Data Sheet

1.	IDENTIFICATION OF	THE SUBSTANCE/MIXTURE AND OF THE CO	MPANY/UNDERTAKIN	G			
.1	Product Identifiers						
	Product Name:	QC308 Control High (contains Proclin 300 M	1ixture)				
.2		ses of the substance or mixture and uses advis					
.2	Identified Uses:		cuaganist				
•		For research use only.					
.3		r of the safety data sheet					
	Company:	R&D Systems, Inc. a Bio-Techne Brand	Telephone:	1-800-343-7475			
		614 McKinley Place NE Minneapolis, MN 55413, USA	Fax: Internet:	1-612-656-4400 www.rndsystems.com			
			Email address:	info@bio-techne.com			
	Canada:	461 North Service Rd West	Telephone:	1-855-668-8722			
		Unit B37	Fax:	902-827-6402			
		Oakville, ON L6M 2V5	Email address:	Canada.inquiries@bio-techne.com			
	United Kingdom:	19 Barton Lane	Telephone:	44 (0)1235 529449			
	Onneu Kingdom.	Abingdon Science Park	Fax:	44 (0)1235 523449 44 (0)1235 533420			
		Abingdon, OX14 3NB	Email address:	info.emea@bio-techne.com			
	China:	1193 Changning Road	Telephone:	86-400-821-3475			
		Unit 1901, Raffles Changning Office	Fax:	76 (021)52371001			
		Shanghai, China	Email address:	techsupport.cn@bio-techne.com			
.4	Emergency Telephon	e Number	Emergency Telephone Number				
	Emergency Tel: For chemical emergency, spill, leak, fire, exposure, or accident call CHEMTREC day or night: Within U.S. 1-800-262-8200 Worldwide 1-703-741-55						
	Emergency Tel: For ch	emical emergency, spill, leak, fire, exposure, or ac	cident call CHEMTREC day	y or night: Within U.S. 1-800-262-8200 Worldwide 1-703-741			
		emical emergency, spill, leak, fire, exposure, or ac 12-379-2956 or 800-343-7475 / Europe: +44(0)123	-				
2.	Bio-Techne Tel: US: 61	12-379-2956 or 800-343-7475 / Europe: +44(0)123	-				
	Bio-Techne Tel: US: 61	12-379-2956 or 800-343-7475 / Europe: +44(0)123	-				
	Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s	12-379-2956 or 800-343-7475 / Europe: +44(0)123 CATION Substance or mixture	5-529449 / China 86-400-8	321-3475			
2.	Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s Classification accord	12-379-2956 or 800-343-7475 / Europe: +44(0)123 CATION Substance or mixture ing to Regulation (EC) No 1272/2008 [GHS/CLP]	5-529449 / China 86-400-8	321-3475			
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.1	Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s Classification accord Sensitization, skin - Ca Label Elements Labeling according to Pictogram(s): Signal Word: Hazard Statement(s): H317	12-379-2956 or 800-343-7475 / Europe: +44(0)123 CATION substance or mixture ing to Regulation (EC) No 1272/2008 [GHS/CLP] tegory 1 b Regulation (EC) No 1272/2008 [GHS/CLP] Warning May cause an allergic skin reaction.	5-529449 / China 86-400-8	321-3475			
.1	Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s Classification accord Sensitization, skin - Ca Label Elements Labeling according to Pictogram(s): Signal Word: Hazard Statement(s): H317 Precautionary Stateme P261 P272	12-379-2956 or 800-343-7475 / Europe: +44(0)123 CATION substance or mixture ing to Regulation (EC) No 1272/2008 [GHS/CLP] tegory 1 D Regulation (EC) No 1272/2008 [GHS/CLP] Warning May cause an allergic skin reaction. ant(s): Avoid breathing dust/fumes/gas/mist Contaminated work clothing should	/vapors/spray. not be allowed out of the	321-3475 SHA] workplace.			
.1	Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s Classification accord Sensitization, skin - Ca Label Elements Labeling according to Pictogram(s): Signal Word: Hazard Statement(s): H317 Precautionary Stateme P261	12-379-2956 or 800-343-7475 / Europe: +44(0)123 CATION substance or mixture ing to Regulation (EC) No 1272/2008 [GHS/CLP] tegory 1 b Regulation (EC) No 1272/2008 [GHS/CLP] Warning May cause an allergic skin reaction. mt(s): Avoid breathing dust/fumes/gas/mist	/vapors/spray. not be allowed out of the atomic and be protection/face p	321-3475 SHA] workplace.			
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3.2 Mixtures

2	MIXLU 62						
	Component	CAS No.	EC No.	Index No.	Classification	Conc.	
	Proclin 300 Mixture <0.1% (active 96118-96-6				H317		

ingredients)

Mixture of 5-Chloro-2-Methyl-4- Isothiazolin-3-One (26172-55-4) and 2-Methyl-4-Isothiazolin-3- One (2682-20-4)

55965-84-9

613-167-00-5

< 0.1 %

4.	FIRST AID MEASURES
l.1	Description of first aid measures
	General Advice
	Consult a doctor and show this safety data sheet.
	If Inhaled
	Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.
	In Case of Skin Contact
	Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor.
	In Case of Eye Contact Flush with copious amounts of water for at least 15 minutes. Consult a doctor.
	If Swallowed
	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.
4.2	Most important symptoms and effects, both acute and delayed
	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
4.3	Indication of immediate medical attention and special treatment needed
	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
5.	FIRE-FIGHTING 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
	In combustion, may emit toxic fumes.
5.3	Precautions for fire-fighters
	Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.
6.	ACCIDENTIAL RELEASE MEASURES
6.1	Personal precautions, protective equipment and emergency procedures
	Do not take action without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.
6.2	Environmental precautions
	Do not let product enter drains.
6.3	Methods and materials for containment and cleaning up
	Cover spillage with suitable absorbent material. Hold all material for appropriate disposal as described under section 13 of SDS.
6.4	Reference to other sections
	For required PPE see section 8. For disposal see section 13.
7.	HANDLING AND STORAGE
7.1	Precautions for safe handling
	Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.
7.2	Conditions for safe storage, including any incompatibilities
	Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use.
7.3	Specific end uses
	Not applicable.
3.	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
	Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and
	eye wash station.

Personal Protective Equipment

Eye / Face Protection

Use appropriate safety glasses.

Skin Protection

Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

Body Protection

Wear appropriate protective clothing.

Respiratory Protection

If risk assessment indicates necessary, use a suitable respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

	Appearance	Lyophilized white powder or clear liquid	Vapor Pressure	No data available.
	Odor	Little to none	Vapor Density	No data available.
	Odor Threshold	No data available.	Relative Density	No data available.
	pH	No data available.	Solubility	No data available.
	Melting / Freezing Point	No data available.	Partition Coefficient	No data available.
	Boiling Point / Range	No data available.	Auto ignition Temperature	No data available.
	Flash Point	No data available.	Decomposition Temperature	No data available.
	Evaporation Rate	No data available.	Viscosity	No data available.
	Flammability (Solid, Gas)	No data available.	Explosive Properties	No data available.
	Upper / Lower Flammability or			
	Explosive Limits	No data available.	Oxidizing Properties	No data available.
9.2	Other safety information			

No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Heat, moisture.

10.5 Incompatible materials

Strong acids/alkalis, strong oxidizing/reducing agents.

10.6 Hazardous decomposition products

Strong acids/alkalis, strong oxidizing/reducing agents.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Classified based on available data.

- Skin Corrosion / Irritation
- Classified based on available data.
- Serious Eye Damage / Irritation

Classified based on available data.

Respiratory or Skin Sensitization

Classified based on available data.

Germ Cell Mutagenicity

Classified based on available data.

Carcinogenicity

Classified based on available data.

Reproductive Toxicity

Classified based on available data.

Specific Target Organ Toxicity - Single Exposure

Classified based on available data.

Specific Target Organ Toxicity - Repeated Exposure

Classified based on available data.

Aspiration Hazard

Classified based on available data.

Symptoms / Routes of Exposure

Inhalation:	There may be irritation of the throat with a feeling of tightness in the che	st.
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Ingestion:	There may be irritation of the throat.
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Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness.

Delayed/Immediate Effects: No known symptoms

Additional Information

Classified based on available data

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.

Contaminated Packaging

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

14. TRANSPORT INFORMATION

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA.

14.1 UN-Number

Does not meet the criteria for classification as hazardous for transport.

14.2 UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

14.3 Transport hazard class(es)

Does not meet the criteria for classification as hazardous for transport.

14.4 Packaging group

Does not meet the criteria for classification as hazardous for transport.

14.5 Environmental hazards

Does not meet the criteria for classification as hazardous for transport.

14.6 Special precautions for users

Does not meet the criteria for classification as hazardous for transport.

Additional Transport Information

Does not meet the criteria for classification as hazardous for transport.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

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

TSCA (Toxic Substances Control Act): Not applicable. SARA 313: Not applicable.

SARA 311/312: Not applicable.

CERCLA Reportable Quantity: Not applicable.

California Proposition 65: Not applicable.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been made for this product.

16. OTHER INFORMATION

Further Information

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This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet.