

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING ntifiers

1.1	Product	Ider

1.1	Product Identifiers	
	Product Name:	Hyaluronan DuoSet ELISA, 5 Plate
	Catalog Number:	DY3614
	Components:	Capture Antibody
		Detection Antibody
		Standard (contains Proclin 300 Mixture = .005%)
		Streptavidin-HRP (contains Proclin 300 Mixture =.005%)
1.2	Relevant identified uses	of the substance or mixture and uses advised against
	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 614	Telephone:	1-800-343-7475
	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	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**

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.



1.1	IDENTIFICATION OF Product Identifiers	THE SUBSTANCE/MIXTURE AND OF THE CO	MPANY/UNDERTAKING	
	Product Name:	Capture Antibody		
.2	Relevant identified us	es of the substance or mixture and uses advised	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:	21 Canmotor Ave	Telephone:	1-855-668-8722
		Toronto, ON M8Z 4E6	Fax:	902-827-6402
			Email address:	Canada.inquiries@bio-techne.com
	United Kingdom:	19 Barton Lane	Telephone:	44 (0)1235 529449
	Ū.	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
2.	-	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION		
2.	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION	529449 / China 86-400-821-34	75
2.	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s	cy, spill, leak, fire, exposure, or accident call CHEMTF I2-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION Substance or mixture	529449 / China 86-400-821-34	75
.1	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements	cy, spill, leak, fire, exposure, or accident call CHEMTF I2-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION Substance or mixture	529449 / China 86-400-821-34	75 LP] or 29 CFR 1910.1200 [OSHA].
2.1	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION Substance or mixture of meet the classification criteria according to Regulati	529449 / China 86-400-821-34	75 LP] or 29 CFR 1910.1200 [OSHA].
.1 .2 .3	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not r Other Hazards - None	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION Substance or mixture of meet the classification criteria according to Regulati	529449 / China 86-400-821-34	75 LP] or 29 CFR 1910.1200 [OSHA].
	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not r Other Hazards - None	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION ubstance or mixture of meet the classification criteria according to Regulation need to be labeled in accordance with Regulation (EC	529449 / China 86-400-821-34	75 LP] or 29 CFR 1910.1200 [OSHA].
2. 2.1 2.2 2.3 3. 3.1	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not n Other Hazards - None COMPOSITION/INFO Substances Not applicable.	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION ubstance or mixture of meet the classification criteria according to Regulation need to be labeled in accordance with Regulation (EC	529449 / China 86-400-821-34	75 LP] or 29 CFR 1910.1200 [OSHA].
2. 2.2 2.3 3. 3.1	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not n Other Hazards - None COMPOSITION/INFO Substances Not applicable. Mixtures	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION substance or mixture of meet the classification criteria according to Regulation theed to be labeled in accordance with Regulation (EC PRMATION ON INGREDIENTS	529449 / China 86-400-821-34 on (EC) No 1272/2008 [GHS/C ) No 1272/2008 [GHS/CLP] or 2	75 LP] or 29 CFR 1910.1200 [OSHA]. 29 CFR 1910.1200 [OSHA].
1.4 2. 2.1 2.2 3. 3.1 3.2	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not r Other Hazards - None COMPOSITION/INFO Substances Not applicable. Mixtures This product does not c	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION substance or mixture of meet the classification criteria according to Regulation thered to be labeled in accordance with Regulation (EC PRMATION ON INGREDIENTS	529449 / China 86-400-821-34 on (EC) No 1272/2008 [GHS/C ) No 1272/2008 [GHS/CLP] or 2	75 LP] or 29 CFR 1910.1200 [OSHA].
- .11 .2 .3 .1 .1 .2 .2 	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not r Other Hazards - None COMPOSITION/INFO Substances Not applicable. Mixtures This product does not co FIRST AID MEASUR	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION substance or mixture of meet the classification criteria according to Regulation thered to be labeled in accordance with Regulation (EC PRMATION ON INGREDIENTS	529449 / China 86-400-821-34 on (EC) No 1272/2008 [GHS/C ) No 1272/2008 [GHS/CLP] or 2	75 LP] or 29 CFR 1910.1200 [OSHA]. 29 CFR 1910.1200 [OSHA].
2. 2.1 2.2 2.3 3.1 3.2 4.	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not n Other Hazards - None COMPOSITION/INFO Substances Not applicable. Mixtures This product does not of FIRST AID MEASUR Description of first and	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION substance or mixture of meet the classification criteria according to Regulation thered to be labeled in accordance with Regulation (EC PRMATION ON INGREDIENTS	529449 / China 86-400-821-34 on (EC) No 1272/2008 [GHS/C ) No 1272/2008 [GHS/CLP] or 2	75 LP] or 29 CFR 1910.1200 [OSHA]. 29 CFR 1910.1200 [OSHA].
2. 2.1 2.2 2.3 3.1 3.2 4.	For chemical emergence Bio-Techne Tel: US: 64 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not n Other Hazards - None COMPOSITION/INFO Substances Not applicable. Mixtures This product does not of FIRST AID MEASUR Description of first aid General Advice	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION substance or mixture of meet the classification criteria according to Regulation thered to be labeled in accordance with Regulation (EC PRMATION ON INGREDIENTS	529449 / China 86-400-821-34 on (EC) No 1272/2008 [GHS/C ) No 1272/2008 [GHS/CLP] or 2	75 LP] or 29 CFR 1910.1200 [OSHA]. 29 CFR 1910.1200 [OSHA].
2. 2.1 2.2 2.3 3. 3.1	For chemical emergence Bio-Techne Tel: US: 64 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not n Other Hazards - None COMPOSITION/INFO Substances Not applicable. Mixtures This product does not of FIRST AID MEASUR Description of first aid General Advice	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION substance or mixture of meet the classification criteria according to Regulation need to be labeled in accordance with Regulation (EC RMATION ON INGREDIENTS	529449 / China 86-400-821-34 on (EC) No 1272/2008 [GHS/C ) No 1272/2008 [GHS/CLP] or 2	75 LP] or 29 CFR 1910.1200 [OSHA]. 29 CFR 1910.1200 [OSHA].
2. 2.1 2.2 2.3 3. 3.1 3.2 4.	For chemical emergence Bio-Techne Tel: US: 64 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not n Other Hazards - None COMPOSITION/INFO Substances Not applicable. Mixtures This product does not of FIRST AID MEASUR Description of first aid General Advice Consult a doctor and s	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION ubstance or mixture of meet the classification criteria according to Regulation eneed to be labeled in accordance with Regulation (EC RMATION ON INGREDIENTS contain hazardous chemicals at concentrations of 1% ES d measures now this safety data sheet.	529449 / China 86-400-821-34 on (EC) No 1272/2008 [GHS/C ) No 1272/2008 [GHS/CLP] or 2	75 LP] or 29 CFR 1910.1200 [OSHA]. 29 CFR 1910.1200 [OSHA].
2. 2.1 2.2 2.3 3. 3.1 3.2 4.	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not of Other Hazards - None COMPOSITION/INFO Substances Not applicable. Mixtures This product does not of FIRST AID MEASUR Description of first aid General Advice Consult a doctor and st If Inhaled Remove to fresh air an In Case of Skin Conta	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- <b>CATION</b> <b>substance or mixture</b> or meet the classification criteria according to Regulation meed to be labeled in accordance with Regulation (EC <b>IRMATION ON INGREDIENTS</b> <b>sontain hazardous chemicals at concentrations of 1%</b> <b>ES</b> <b>d measures</b> how this safety data sheet. d monitor breathing.	529449 / China 86-400-821-34 on (EC) No 1272/2008 [GHS/C ) No 1272/2008 [GHS/CLP] or 2	75 LP] or 29 CFR 1910.1200 [OSHA]. 29 CFR 1910.1200 [OSHA].
2. 2.1 2.2 2.3 3.1 3.2 4.	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not r Other Hazards - None COMPOSITION/INFO Substances Not applicable. Mixtures This product does not c FIRST AID MEASUR Description of first aid General Advice Consult a doctor and sl If Inhaled Remove to fresh air an In Case of Skin Conta Wash skin with soap ar	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION substance or mixture of meet the classification criteria according to Regulation thered to be labeled in accordance with Regulation (EC PRMATION ON INGREDIENTS contain hazardous chemicals at concentrations of 1% ES d measures how this safety data sheet. d monitor breathing. ct d water. If irritation occurs, consult a doctor.	529449 / China 86-400-821-34 on (EC) No 1272/2008 [GHS/C ) No 1272/2008 [GHS/CLP] or 2	75 LP] or 29 CFR 1910.1200 [OSHA]. 29 CFR 1910.1200 [OSHA].
2. 2.1 2.2 2.3 3. 3.1 3.2 4.	For chemical emergence Bio-Techne Tel: US: 61 HAZARDS IDENTIFIC Classification of the s This substance does not Label Elements This product does not r Other Hazards - None COMPOSITION/INFO Substances Not applicable. Mixtures This product does not c FIRST AID MEASUR Description of first aid General Advice Consult a doctor and sl If Inhaled Remove to fresh air an In Case of Skin Conta Wash skin with soap ar	cy, spill, leak, fire, exposure, or accident call CHEMTF 12-379-2956 or 800-343-7475 / Europe: +44(0)1235- CATION substance or mixture of meet the classification criteria according to Regulation meed to be labeled in accordance with Regulation (EC PRMATION ON INGREDIENTS contain hazardous chemicals at concentrations of 1% ES d measures how this safety data sheet. d monitor breathing. ct d water. If irritation occurs, consult a doctor.	529449 / China 86-400-821-34 on (EC) No 1272/2008 [GHS/C ) No 1272/2008 [GHS/CLP] or 2	75 LP] or 29 CFR 1910.1200 [OSHA]. 29 CFR 1910.1200 [OSHA].

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

pН

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

No data available.

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

4.3	Indication of immediate medical attent	tion and special treatment needed				
	Show this safety data sheet to the doctor	in attendance. Immediate medical attention is r	equired.			
5.	FIRE-FIGHTING MEASURES					
.1	Extinguishing Media					
	Suitable extinguishing media					
	Use water spray, alcohol-resistant foam,	dry chemical or carbon dioxide.				
.2	Special hazards arising from the subs	tance or mixture				
	In combustion, may emit toxic fumes.					
.3	Precautions for fire-fighters					
	-	ent contact with skin and eyes and self-containe	d breathing apparatus.			
	ACCIDENTAL RELEASE MEASURE	S				
1	Personal precautions, protective equip					
			personnel to safe areas. Ensure ac	dequate ventilation. Avoid breathing vapors, mist, dust		
	or gas.	5		5 (F)		
.2	Environmental precautions					
	Do not let product enter drains.					
.3	Methods and materials for containment	nt and cleaning up				
	Cover spillage with suitable absorbent m	aterial. Hold all material for appropriate disposa	l as described under section 13 of	SDS.		
.4	Reference to other sections					
	For required PPE see section 8. For disp	oosal see section 13.				
	HANDLING AND STORAGE					
.1	Precautions for safe handling					
	Avoid inhalation, contact with eyes, skin	and clothing. Avoid the formation of dust and a	erosols. Use in a well-ventilated are	ea. Keep away from sources of ignition. Avoid prolonged		
	or repeated exposure.	-				
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.			
.3	Specific end uses					
	Not applicable.					
-	EXPOSURE CONTROLS/PERSONA	L PROTECTION				
.1	Control parameters					
	Components with workplace and cont	rol parameters				
	Contains no substances with occupation	al exposure limit values.				
.2	Exposure controls					
	Appropriate Engineering Controls					
		nsure all engineering measures described unde	er section 7 of SDS are in place. E	nsure laboratory is equipped with a safety shower and		
•	eye wash station.					
.3	Personal Protective Equipment					
	Eye / Face Protection					
	Use appropriate safety glasses.					
	Skin Protection					
	Use appropriate chemical resistant glove handling.	es (minimum requirement use standard BS EN	374:2003). Gloves should be inspe	ected before use. Wash and dry hands thoroughly after		
	Body Protection					
	Wear appropriate protective clothing.					
	Respiratory Protection					
	If risk assessment indicates necessary, u	se a suitable respirator.				
	PHYSICAL AND CHEMICAL PROPE	RTIES				
1	Information on basic physical and che	emical 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.		
	nH	No data available	Solubility	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 transpo	rt or storage conditions.		
10.2	Chemical stability			
	Stable under recommended storage	conditions.		
10.3	Possibility of hazardous reactions	3		
	Hazardous reactions will not occur u	under normal transport or storage conditio	ons. Decomposition may occur on exposure to condition	ns 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 produc	ts		
	Strong acids/alkalis, strong oxidizing	/reducing agents.		
11.	TOXICOLOGICAL INFORMATIO	N		
11.1	Information on toxicological effec	its		
	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 – S	ingle Exposure		
	Classified based on available data.	• • • • • •		
	Specific Target Organ Toxicity – R	Repeated Exposure		
	Classified based on available data.			
	Aspiration Hazard			
	Classified based on available data. Symptoms / Routes of Exposure			
	Inhalation:	No known symptoms.		
	Ingestion: Skin:	No known symptoms.		
	Skin: Eyes:	No known symptoms. No known symptoms.		
	Eyes. Delayed/Immediate Effects:	No known symptoms.		
	Additional Information			
	Classified based on available data			
12.	ECOLOGICAL INFORMATION			
12.1	Toxicity			
	No data available.			
12.2	Percistance and degradability			

## 12.2 Persistence and degradability No data available.

40.0	
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
14.1	Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA. 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.
14.7	Additional Transport Information
	Does not meet the criteria for classification as hazardous for transport.
15.	REGULATORY INFORMATION
	This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 and 29 CFR 1910.1200 [OSHA]
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 © 2024 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

<b>.</b>		or of rol		-	<b>,</b>
1.	IDENTIFICATION OF	THE SUBSTANCE/MIXTURE AND OF THE CO	MPANY/UNDERTAKING		
.1	Product Identifiers				
	Product Name:	Detection Antibody			
.2	Relevant identified us	es of the substance or mixture and uses advised	against		
	Identified Uses:	For research use only.			
.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	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	
.4	Emergeney/Telenhene	-			
.4	Emergency Telephone		C dou or pight: Within U.C. 1	800 262 8200 Worldwide 1 702 711 5500	
	_	y, spill, leak, fire, exposure, or accident call CHEMTI 2-379-2956 or 800-343-7475 / Europe: +44(0)1235-5			
_					
2. 2.1	HAZARDS IDENTIFIC Classification of the se				
		ot meet the classification criteria according to Regula	tion (EC) No 1272/2008 [GHS/0	CLP] or 29 CFR 1910.1200 [OSHA].	
2.2	Label Elements				
<b>-</b>			N. 4070/0000 [OUD/OLD]		
		need to be labeled in accordance with Regulation (EC	C) No 1272/2008 [GHS/CLP] or	29 CFR 1910.1200 [OSHA].	
2.3	Other Hazards - None				
3.	COMPOSITION/INFO	RMATION ON INGREDIENTS			
3.1	Substances				
	Not applicable.				
3.2	Mixtures	entein hezerdeue chemicale et concentrations of 10/	or greater. This product is not	known to contain corpinations of concentratio	no of 0.1% or groater
	This product does not c	ontain hazardous chemicals at concentrations of 1%	or greater. This product is not	known to contain carcinogens at concentratio	ins of 0.1% or greater.
4.	FIRST AID MEASURE	ES			
4.1	Description of first aid	Imeasures			
	General Advice				
		now this safety data sheet.			
	If Inhaled Remove to fresh air and	d monitor breathing.			
	In Case of Skin Conta	-			
	Wash skin with soap an	d water. If irritation occurs, consult a doctor.			
	In Case of Eye Contac	et .			
	Flush with water for at le	east 15 minutes. If irritation occurs, consult a doctor.			
	If Swallowed				
		Consult a doctor if you feel unwell.			
4.2		oms and effects, both acute and delayed			
	To the best of our know	ledge, the chemical, physical and toxicological prope	erties have not been thoroughly	investigated.	

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

**Evaporation Rate** 

Flammability (Solid, Gas)

No data available.

No data available.

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 foar	n, dry chemical or carbon dioxide.			
5.2	Special hazards arising from the sub	ostance or mixture			
	In combustion, may emit toxic fumes.				
5.3	Precautions for fire-fighters				
	Wear suitable protective clothing to pre	vent contact with skin and eyes and self-containe	d breathing apparatus.		
6.	ACCIDENTAL RELEASE MEASUR	FS			
6.1	Personal precautions, protective equ				
		otective clothing - see section 8 of SDS. Evacuat	e personnel to safe areas. Ensure adequ	ate ventilation. Avoid breathing vapors, mist,	
	dust or gas.	U U			
6.2	Environmental precautions				
	Do not let product enter drains.				
6.3	Methods and materials for containm				
	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 dis	sposal see section 13.			
7					
7. 7.1	HANDLING AND STORAGE Precautions for safe handling				
	-	kin and clothing. Avoid the formation of dust ar	nd aerosols. Use in a well-ventilated are	a. Keep away from sources of ignition. Avoid	
	prolonged or repeated exposure.				
7.2	Conditions for safe storage, including	ig any incompatibilities			
	Store in cool, well-ventilated area. Keep	p away from direct sunlight. Keep container tightly	sealed until ready for use.		
7.3	Specific end uses				
	Not applicable.				
8.	EXPOSURE CONTROLS/PERSON	AL PROTECTION			
8.1	Control parameters				
	Components with workplace and cor	ntrol parameters			
	Contains no substances with occupatio				
8.2	Exposure controls				
	Appropriate Engineering Controls				
		Ensure all engineering measures described unde	er section 7 of SDS are in place. Ensure l	aboratory is equipped with a safety shower and	
	eye wash station.				
8.3	Personal Protective Equipment				
	Eye / Face Protection				
	Use appropriate safety glasses.				
	Skin Protection				
	Use appropriate chemical resistant glo handling.	ves (minimum requirement use standard BS EN 3	374:2003). Gloves should be inspected be	fore use. Wash and dry hands thoroughly after	
	Body Protection				
	Wear appropriate protective clothing.				
	Respiratory Protection				
	If risk assessment indicates necessary,	use a suitable respirator.			
9.	PHYSICAL AND CHEMICAL PROP	ERTIES			
9.1	Information on basic physical and cl	nemical 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.	

Viscosity

**Explosive 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         10.4       Conditions to avoid Heat, moisture.	
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         10.4       Conditions to avoid	
<ul> <li>Stable under recommended transport or storage conditions.</li> <li>Chemical stability         <ul> <li>Stable under recommended storage conditions.</li> </ul> </li> <li>Possibility of hazardous reactions         <ul> <li>Hazardous reactions will not occur under normal transport or storage conditions. Decomposition</li> </ul> </li> <li>Conditions to avoid</li> </ul>	
<ul> <li>10.2 Chemical stability Stable under recommended storage conditions.</li> <li>10.3 Possibility of hazardous reactions Hazardous reactions will not occur under normal transport or storage conditions. Decomposition</li> <li>10.4 Conditions to avoid</li> </ul>	
<ul> <li>Stable under recommended storage conditions.</li> <li>Possibility of hazardous reactions Hazardous reactions will not occur under normal transport or storage conditions. Decomposition</li> <li>Conditions to avoid</li> </ul>	
<ul> <li>Stable under recommended storage conditions.</li> <li>Possibility of hazardous reactions Hazardous reactions will not occur under normal transport or storage conditions. Decomposition</li> <li>Conditions to avoid</li> </ul>	
Hazardous reactions will not occur under normal transport or storage conditions. Decomposition <b>10.4 Conditions to avoid</b>	
Hazardous reactions will not occur under normal transport or storage conditions. Decomposition <b>10.4 Conditions to avoid</b>	
10.4 Conditions to avoid	n may occur on exposure to conditions or materials listed below.
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.	
Classified based on available data.	
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: No known symptoms.	
Ingestion: No known symptoms.	
Skin: No known symptoms.	
Eyes: No known symptoms. 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				
14.1	Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA. 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.				
14.7	Additional Transport Information				
	Does not meet the criteria for classification as hazardous for transport.				
15.	REGULATORY INFORMATION				
	This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 and 29 CFR 1910.1200 [OSHA]				
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 © 2024 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

Product Identifiers				
Product Name:	Standard (contains Proclin 300 Mixture = 0.00	5%)		
Relevant identified us	ses of the substance or mixture and uses advised	against		
Identified Uses:	For research use only.			
Details of the supplie	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:	21 Canmotor Ave	Telephone:	1-855-668-8722	
	Toronto, ON M8Z 4E6	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	
Emergency Telephon	e Number			
For chemical emergene	cy, spill, leak, fire, exposure, or accident call CHEMT	REC day or night: Within U.S.	I-800-262-8200 Worldwide 1-703-741-5500	
Bio-Techne Tel: US: 61	2-379-2956 or 800-343-7475 / Europe: +44(0)1235-5	29449 / China 86-400-821-347	75	
HAZARDS IDENTIFI	CATION			
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	itegory 1			
Label Elements				
Labeling according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA].				
Pictogram(s):	()			
Signal Word:	Warning			
Hazard Statement(s):				
H317	May cause an allergic skin reaction	on.		

Precautionary Statement(s):

P261	Avoid breathing dust/fumes/gas/mist/vapors/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P317	If skin irritation or rash occurs: Get medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Other Hazards - None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## 3.1 Substances

Not applicable.

## 3.2 Mixtures

Component	CAS No.	EC No.	Index No.	Classification	Concentration
Mixture of 5-Chloro-2-Methyl-4- Isothiazolin-3-One and 2-	55965-84-9	9114-418-6	613-167-00-5	H317	= 0.005%
Methyl-2H-Isothiazolin-3-One (3:1)					

#### 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. ACCIDENTAL 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 and 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.

### 8.3 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.

If risk assessment indicates necessary, use a suitable respirator.

# PHYSICAL AND CHEMICAL PROPERTIES Information on basic physical and chemical properties

9.1	Information on basic physical and	chemical properties				
	Appearance	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.		
	рH	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	No data available.	Oxidizing Properties	No data available.		
	Explosive Limits		5 1			
9.2	Other safety information					
	No data available.					
10.	STABILITY AND REACTIVITY					
10.1	Reactivity					
	Stable under recommended transport	t or storage conditions.				
10.2	Chemical stability					
10.2	•	anditiona				
	Stable under recommended storage of	conditions.				
10.3	Possibility of hazardous reactions					
	Hazardous reactions will not occur un	nder normal transport or storage condition	s. Decomposition may occur on exposure to condit	ions 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 product					
	Strong acids/alkalis, strong oxidizing/					
		reducing agents.				
11.	TOXICOLOGICAL INFORMATION					
11.1	Information on toxicological effect	S				
	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 – Si	ngle Exposure				
	Classified based on available data.					
	Specific Target Organ Toxicity – Re	eneated Exposure				
	Classified based on available data.					
	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.			
	Ingestion:	There may be irritation of the throat.				
	Skin:	There may be mild irritation at the site of	f contact.			
	Eyes:	There may be irritation and redness.				
	Delayed/Immediate Effects:	No known symptoms.				

#### Additional Information

Classified based on available data

12. 12.1	ECOLOGICAL INFORMATION Toxicity
12.1	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
14.1	Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA. 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.
14.7	Additional Transport Information
	Does not meet the criteria for classification as hazardous for transport.
15.	REGULATORY INFORMATION
	This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 and 29 CFR 1910.1200 [OSHA]
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 © 2024 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.

# RD SYSTEMS a biotechne brand

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

## 1.1 Product Identifiers

Product Name: Streptavidin-HRP (contains Proclin 300 Mixture = 0.005%)

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

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	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

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

## 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]. Sensitization, skin - Category 1

## 2.2 Label Elements

Labeling according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]. Pictogram(s):

Signal Word:	Warning
Hazard Statement(s):	
H317	May cause an allergic skin reaction.
Precautionary Statement(s):	
P261	Avoid breathing dust/fumes/gas/mist/vapors/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P317	If skin irritation or rash occurs: Get medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container to an approved waste disposal plant.
Other Hazards - None	

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## 3.1 Substances

2.3

# Not applicable.

3.2 Mixtures

#### Component

Component			CAS No.	EC No.	Index No.	Classification	Concentration
Mixture of 5-Chloro-2-Methyl-4-	Isothiazolin-3-One a	and 2-	55965-84-9	9114-418-6	613-167-00-5	H317	=0.005%
Methyl-2H-Isothiazolin-3-One (3:1)							

## 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. ACCIDENTAL 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 and 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.

## 8.3 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.

	Deenington, Destantion							
	Respiratory Protection							
	If risk assessment indicates necessary, use a suitable respirator.							
9. PHYSICAL AND CHEMICAL PROPERTIES								
ə.1	Information on basic physical and chemical properties							
	Appearance	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.				
	рН	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.				
).2	Other safety information							
	No data available.							
0.	STABILITY AND REACTIVITY							
10.1	Reactivity							
	Stable under recommended transport	or storage conditions.						
0.2	Chemical stability							
	Stable under recommended storage of	conditions.						
0.3	Possibility of hazardous reactions							
	Hazardous reactions will not occur un	der normal transport or storage conditi	ons. Decomposition may occur on exposure to condi	tions or materials listed below				
0.4	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below. Conditions to avoid							
	Heat, moisture.							
0.5	Incompatible materials							
	Strong acids/alkalis, strong oxidizing/reducing agents.							
0.6	Hazardous decomposition products							
	Strong acids/alkalis, strong oxidizing/	reducing agents.						
1.	TOXICOLOGICAL INFORMATION	1						
1.1	Information on toxicological effect	S						
	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 – Re	epeated 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.
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.	
12.1	Toxicity
40.0	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.
14.7	Additional Transport Information
	Does not meet the criteria for classification as hazardous for transport.
15.	REGULATORY INFORMATION
	This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 and 29 CFR 1910.1200 [OSHA]
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

#### OTHER INFORMATION 16.

## **Further Information**

## Copyright © 2024 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 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.