

Revision: 03/26/2024

	acco			
	Section 1. I	dentification of the Substance/Mixture a	nd of the Company/Undertaking	
.1	Product Code:	Rfib		
	Product Name:	Rat Fibrinogen		
2	Relevant identified uses of	the substance or mixture and uses advi	sed against:	
	Relevant identified uses:	For research use only.		
.3	Details of the Supplier of the Company Name:	ne Safety Data Sheet: Enzyme Research Laboratories 1801 Commerce Dr. South Bend, IN 46628		
	Web site address:	www.enzymeresearch.com		
.4	Emergency telephone num	ber:		
	Emergency Contact:	Within USA and Canada: Outside USA and Canada:	+1 (800) 729-5270 +1 (574) 288-2268	
		Section 2. Hazards Ide	ntification	
.1	Classification of the Subst	ance or Mixture:		
	Acute Toxicity: Inhalatio Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat	egory 4		
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements:	egory 4	2]:	
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI	י]:	
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements:	egory 4 egory 4	?]:	
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word:	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning	י]:	
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word: GHS Hazard Phrases:	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning	י]:	
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning	י]:	
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed H312: Harmful in contact v	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning d.	י]:	
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed H312: Harmful in contact v H332: Harmful if inhaled. GHS Precaution Phrases	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning d.	י]:	
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallower H312: Harmful if swallower H312: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {dus P264: Wash {hands} thoro	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning d. //ith skin. : st/fume/gas/mist/vapors/spray}. ughly after handling.		
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed H312: Harmful if swallowed H312: Harmful in contact w H332: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {dus P264: Wash {hands} thoro P280: Wear {protective glob	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning d. vith skin. : st/fume/gas/mist/vapors/spray}. ughly after handling. vves/protective clothing/eye protection/face		
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallower H312: Harmful if swallower H312: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {dus P264: Wash {hands} thoro P280: Wear {protective glo GHS Response Phrases:	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning d. vith skin. : st/fume/gas/mist/vapors/spray}. ughly after handling. oves/protective clothing/eye protection/face	protection}.	
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallower H312: Harmful if swallower H312: Harmful in contact w H332: Harmful in contact w H332: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {dus P264: Wash {hands} thoro P280: Wear {protective glo GHS Response Phrases: P301+312: IF SWALLOWE	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning d. vith skin. : st/fume/gas/mist/vapors/spray}. ughly after handling. ives/protective clothing/eye protection/face ED: Call a POISON CENTER or doctor/phys	protection}.	
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallower H312: Harmful if swallower H312: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {dus P264: Wash {hands} thoro P280: Wear {protective glo GHS Response Phrases: P301+312: IF SWALLOWE P302+352: IF ON SKIN: W	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning d. vith skin. : st/fume/gas/mist/vapors/spray}. ughly after handling. ves/protective clothing/eye protection/face ED: Call a POISON CENTER or doctor/phys /ash with plenty of soap and water.	protection}. sician if you feel unwell.	
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed H312: Harmful if swallowed H312: Harmful in contact w H332: Harmful in contact w H332: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {dus P264: Wash {hands} thoro P280: Wear {protective glo GHS Response Phrases: P301+312: IF SWALLOWE P302+352: IF ON SKIN: W P304+340: IF INHALED: F P312: Call a POISON CEN	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning d. vith skin. : st/fume/gas/mist/vapors/spray}. ughly after handling. ives/protective clothing/eye protection/face ED: Call a POISON CENTER or doctor/phys	protection}. sician if you feel unwell.	
.2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallower H312: Harmful if swallower H312: Harmful in contact v H332: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {dus P264: Wash {hands} thoro P280: Wear {protective glo GHS Response Phrases: P301+312: IF SWALLOWE P302+352: IF ON SKIN: W P304+340: IF INHALED: F P312: Call a POISON CEN P330: Rinse mouth.	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning d. vith skin. : st/fume/gas/mist/vapors/spray}. ughly after handling. ives/protective clothing/eye protection/face ED: Call a POISON CENTER or doctor/phys /ash with plenty of soap and water. Remove victim to fresh air and keep at rest i ITER or doctor/physician if you feel unwell.	protection}. sician if you feel unwell.	
2	Acute Toxicity: Oral, Cat Acute Toxicity: Skin, Cat Label Elements: 2.2.1 Labeling accord GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowed H312: Harmful if swallowed H312: Harmful in contact w H332: Harmful in contact w H332: Harmful if inhaled. GHS Precaution Phrases P261: Avoid breathing {dus P264: Wash {hands} thoro P280: Wear {protective glo GHS Response Phrases: P301+312: IF SWALLOWE P302+352: IF ON SKIN: W P304+340: IF INHALED: F P312: Call a POISON CEN	egory 4 egory 4 ing to Regulation (EC) No 1272/2008 [CLI Warning d. vith skin. : st/fume/gas/mist/vapors/spray}. ughly after handling. ves/protective clothing/eye protection/face ED: Call a POISON CENTER or doctor/phys /ash with plenty of soap and water. Remove victim to fresh air and keep at rest i ITER or doctor/physician if you feel unwell. clothing before reuse.	protection}. sician if you feel unwell.	



Revision: 03/26/2024

	Pleas	e refer to Section 7	for Storage and Section 13 for	r Disposal informatio	on.				
.3		e Human Health	5						
	Effects	and Symptoms:	Harmful if swallowed.						
			Harmful in contact with skin.						
			Harmful if inhaled.						
			Material may be irritating to t	he mucous membra	anes and upper re	spiratory tract.			
			May cause eye, skin, or resp						
			To the best of our knowledge	e, the toxicological p	properties have no	t been thoroughly investigated.			
		Sect	tion 3. Composition	n/Information	on Ingredie	ents			
CAS # / Hazardous Comp RTECS # REACH Registrat		-	oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification			
900	1-32-5	Rat Fibrinogen		~99.0 %	232-598-6	Acute Tox.(O) 4: H302			
NA					NA	Acute Tox.(D) 4: H312			
						Acute Tox.(I) 4: H332			
6132-04-3		Sodium citrate		~1%	NA	No data available.			
12858	95800				NA				
			Section 4. Fi	ret Aid Maas	ures				
				IST AIU MEAS					
.1	Descri	ption of First Aid	No data available.						
.1	Descrij Measu	-							
.1	Measu	-	No data available.			or give oxygen by trained			
.1	Measu	res:				or give oxygen by trained			
l.1	Measu	res:	No data available. Move person to fresh air. If n	ot breathing, give a		or give oxygen by trained			
l.1	Measu In Case	res: e of Inhalation:	No data available. Move person to fresh air. If n personnel. Get immediate medical atten	ot breathing, give a tion.	rtificial respiration	or give oxygen by trained minutes. Remove contaminate			
l.1	Measu In Case	res: e of Inhalation:	No data available. Move person to fresh air. If n personnel. Get immediate medical atten	ot breathing, give a tion. oap and plenty of w	rtificial respiration ater for at least 15	o minutes. Remove contaminate			
l.1	Measu In Case In Case	res: e of Inhalation:	No data available. Move person to fresh air. If n personnel. Get immediate medical atten Immediately wash skin with s	ot breathing, give a tion. oap and plenty of w on if symptoms occu	rtificial respiration ater for at least 15 ır. Wash clothing b	o minutes. Remove contaminate pefore reuse.			
l.1	Measu In Case In Case	res: e of Inhalation: e of Skin Contact:	No data available. Move person to fresh air. If n personnel. Get immediate medical atten Immediately wash skin with s clothing. Get medical attentio	ot breathing, give a tion. oap and plenty of w on if symptoms occu	rtificial respiration ater for at least 15 ır. Wash clothing b	o minutes. Remove contaminate pefore reuse.			
l.1	Measur In Case In Case In Case	res: e of Inhalation: e of Skin Contact:	No data available. Move person to fresh air. If n personnel. Get immediate medical atten Immediately wash skin with s clothing. Get medical attentio Flush eyes with plenty of wat	ot breathing, give a tion. oap and plenty of w on if symptoms occu er for at least 15 mi	rtificial respiration ater for at least 15 ır. Wash clothing t nutes. Have eyes	o minutes. Remove contaminate before reuse. examined and tested by			
.1	Measur In Case In Case In Case	res: e of Inhalation: e of Skin Contact: e of Eye Contact:	No data available. Move person to fresh air. If n personnel. Get immediate medical atten Immediately wash skin with s clothing. Get medical attention Flush eyes with plenty of wat medical personnel. Wash out mouth with water p	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c	rtificial respiration ater for at least 15 Ir. Wash clothing b nutes. Have eyes onscious. Never g	o minutes. Remove contaminate before reuse. examined and tested by			
.1	Measur In Case In Case In Case	res: e of Inhalation: e of Skin Contact: e of Eye Contact:	No data available. Move person to fresh air. If n personnel. Get immediate medical atten Immediately wash skin with s clothing. Get medical attention Flush eyes with plenty of wat medical personnel. Wash out mouth with water p unconscious person. Get me medical personnel.	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c dical attention. Do N	rtificial respiration ater for at least 15 Ir. Wash clothing b nutes. Have eyes onscious. Never g NOT induce vomiti	5 minutes. Remove contaminate before reuse. examined and tested by give anything by mouth to an			
	Measur In Case In Case In Case	res: e of Inhalation: e of Skin Contact: e of Eye Contact: e of Ingestion:	No data available. Move person to fresh air. If n personnel. Get immediate medical atten Immediately wash skin with s clothing. Get medical attention Flush eyes with plenty of wat medical personnel. Wash out mouth with water p unconscious person. Get me medical personnel. Section 5. Fire	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c dical attention. Do N e Fighting Me	rtificial respiration ater for at least 15 ir. Wash clothing b nutes. Have eyes onscious. Never g NOT induce vomiti	5 minutes. Remove contaminate before reuse. examined and tested by give anything by mouth to an ing unless directed to do so by			
	Measur In Case In Case In Case In Case Suitabl	res: e of Inhalation: e of Skin Contact: e of Eye Contact: e of Ingestion:	No data available. Move person to fresh air. If n personnel. Get immediate medical attent Immediately wash skin with s clothing. Get medical attention Flush eyes with plenty of wat medical personnel. Wash out mouth with water p unconscious person. Get me medical personnel. Section 5. Fire Use alcohol-resistant foam, o	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c dical attention. Do N e Fighting Me carbon dioxide, wate	rtificial respiration ater for at least 15 ir. Wash clothing b inutes. Have eyes onscious. Never g NOT induce vomiti <b>asures</b> er, or dry chemica	5 minutes. Remove contaminate before reuse. examined and tested by give anything by mouth to an ing unless directed to do so by			
	Measur In Case In Case In Case	res: e of Inhalation: e of Skin Contact: e of Eye Contact: e of Ingestion:	No data available. Move person to fresh air. If n personnel. Get immediate medical atten Immediately wash skin with s clothing. Get medical attention Flush eyes with plenty of wat medical personnel. Wash out mouth with water p unconscious person. Get me medical personnel. Section 5. Fire	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c dical attention. Do N e Fighting Me carbon dioxide, wate	rtificial respiration ater for at least 15 ir. Wash clothing b inutes. Have eyes onscious. Never g NOT induce vomiti <b>asures</b> er, or dry chemica	5 minutes. Remove contaminate before reuse. examined and tested by give anything by mouth to an ing unless directed to do so by			
	Measur In Case In Case In Case In Case Suitabl Media:	res: e of Inhalation: e of Skin Contact: e of Eye Contact: e of Ingestion:	No data available. Move person to fresh air. If n personnel. Get immediate medical attent Immediately wash skin with s clothing. Get medical attention Flush eyes with plenty of wat medical personnel. Wash out mouth with water p unconscious person. Get me medical personnel. Section 5. Fire Use alcohol-resistant foam, o	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c dical attention. Do N <b>e Fighting Me</b> carbon dioxide, wate exposed containers	rtificial respiration ater for at least 15 ir. Wash clothing b inutes. Have eyes onscious. Never g NOT induce vomiti <b>asures</b> er, or dry chemica	5 minutes. Remove contaminate before reuse. examined and tested by give anything by mouth to an ing unless directed to do so by			
.1	Measur In Case In Case In Case In Case Suitabl Media: Unsuita Media:	res: e of Inhalation: e of Skin Contact: e of Eye Contact: e of Ingestion: le Extinguishing able Extinguishing	No data available. Move person to fresh air. If n personnel. Get immediate medical attent Immediately wash skin with s clothing. Get medical attention Flush eyes with plenty of wat medical personnel. Wash out mouth with water p unconscious person. Get me medical personnel. <b>Section 5. Fire</b> Use alcohol-resistant foam, o Use water spray to cool fire-	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c dical attention. Do N <b>e Fighting Me</b> carbon dioxide, wate exposed containers	rtificial respiration ater for at least 15 ir. Wash clothing b inutes. Have eyes onscious. Never g NOT induce vomiti <b>asures</b> er, or dry chemica	5 minutes. Remove contaminate before reuse. examined and tested by give anything by mouth to an ing unless directed to do so by			
.1	Measur In Case In Case In Case In Case In Case Suitabl Media: Unsuita Flamm	res: e of Inhalation: e of Skin Contact: e of Eye Contact: e of Ingestion: le Extinguishing able Extinguishing able Properties an	No data available. Move person to fresh air. If n personnel. Get immediate medical attent Immediately wash skin with s clothing. Get medical attention Flush eyes with plenty of wat medical personnel. Wash out mouth with water p unconscious person. Get me medical personnel. Section 5. Fire Use alcohol-resistant foam, o Use water spray to cool fire-	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c dical attention. Do N <b>e Fighting Me</b> carbon dioxide, wate exposed containers	rtificial respiration ater for at least 15 ir. Wash clothing b inutes. Have eyes onscious. Never g NOT induce vomiti <b>asures</b> er, or dry chemica	5 minutes. Remove contaminate before reuse. examined and tested by give anything by mouth to an ing unless directed to do so by			
.1	Measur In Case In Case In Case In Case Suitabl Media: Unsuita Media:	res: e of Inhalation: e of Skin Contact: e of Eye Contact: e of Ingestion: le Extinguishing able Extinguishing able Properties an	No data available. Move person to fresh air. If n personnel. Get immediate medical attent Immediately wash skin with s clothing. Get medical attention Flush eyes with plenty of wat medical personnel. Wash out mouth with water p unconscious person. Get me medical personnel. <b>Section 5. Fire</b> Use alcohol-resistant foam, o Use water spray to cool fire-	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c dical attention. Do N <b>e Fighting Me</b> carbon dioxide, wate exposed containers	rtificial respiration ater for at least 15 ir. Wash clothing b inutes. Have eyes onscious. Never g NOT induce vomiti <b>asures</b> er, or dry chemica	5 minutes. Remove contaminate before reuse. examined and tested by give anything by mouth to an ing unless directed to do so by			
.1	Measur In Case In Case In Case In Case In Case Suitabl Media: Unsuita Flamm	res: e of Inhalation: e of Skin Contact: e of Eye Contact: e of Ingestion: le Extinguishing able Extinguishing able Properties an	No data available. Move person to fresh air. If n personnel. Get immediate medical attent Immediately wash skin with s clothing. Get medical attention Flush eyes with plenty of wat medical personnel. Wash out mouth with water p unconscious person. Get me medical personnel. <b>Section 5. Fire</b> Use alcohol-resistant foam, o Use water spray to cool fire-	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c dical attention. Do N <b>e Fighting Me</b> carbon dioxide, wate exposed containers	rtificial respiration ater for at least 15 ir. Wash clothing b inutes. Have eyes onscious. Never g NOT induce vomiti <b>asures</b> er, or dry chemica	5 minutes. Remove contaminate before reuse. examined and tested by give anything by mouth to an ing unless directed to do so by			
.1	Measur In Case In Case In Case In Case In Case Suitabl Media: Unsuita Hazard Flamm Hazard Flash F	res: e of Inhalation: e of Skin Contact: e of Eye Contact: e of Ingestion: le Extinguishing able Extinguishing able Properties an	No data available. Move person to fresh air. If n personnel. Get immediate medical attent Immediately wash skin with se clothing. Get medical attention Flush eyes with plenty of wath medical personnel. Wash out mouth with water pr unconscious person. Get me medical personnel. Section 5. Fire Use alcohol-resistant foam, of Use water spray to cool fire- J A solid water stream may be d No data available.	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c dical attention. Do N <b>e Fighting Me</b> carbon dioxide, wate exposed containers	rtificial respiration ater for at least 15 ir. Wash clothing b inutes. Have eyes onscious. Never g NOT induce vomiti <b>asures</b> er, or dry chemica	5 minutes. Remove contaminate before reuse. examined and tested by give anything by mouth to an ing unless directed to do so by			
.1	Measur In Case In Case In Case In Case In Case In Case Suitabl Media: Unsuita Media: Flamm Hazard Flash F Explos	res: e of Inhalation: e of Skin Contact: e of Eye Contact: e of Ingestion: le Extinguishing able Extinguishing able Properties an ls: Pt:	No data available. Move person to fresh air. If n personnel. Get immediate medical attent Immediately wash skin with si- clothing. Get medical attention Flush eyes with plenty of wath medical personnel. Wash out mouth with water pro- unconscious person. Get mer- medical personnel. Section 5. Fire Use alcohol-resistant foam, of Use water spray to cool fire- A solid water stream may be d No data available. No data.	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c dical attention. Do N E Fighting Me carbon dioxide, wate exposed containers e inefficient.	rtificial respiration ater for at least 15 ir. Wash clothing b inutes. Have eyes onscious. Never g NOT induce vomiti <b>asures</b> er, or dry chemica	5 minutes. Remove contaminate before reuse. examined and tested by give anything by mouth to an ing unless directed to do so by			
5.1 5.2	Measur In Case In Case	res: e of Inhalation: e of Skin Contact: e of Eye Contact: e of Ingestion: le Extinguishing able Extinguishing able Properties an ls: Pt: sive Limits: nition Pt:	No data available. Move person to fresh air. If n personnel. Get immediate medical attent Immediately wash skin with se clothing. Get medical attention Flush eyes with plenty of wath medical personnel. Wash out mouth with water pr unconscious person. Get mer medical personnel. Section 5. Fire Use alcohol-resistant foam, of Use water spray to cool fire- J A solid water stream may be d No data available. No data. LEL: No data.	ot breathing, give a tion. oap and plenty of w on if symptoms occu ter for at least 15 mi provided person is c dical attention. Do N E Fighting Me carbon dioxide, wate exposed containers e inefficient.	rtificial respiration ater for at least 15 ir. Wash clothing b inutes. Have eyes onscious. Never g NOT induce vomiti <b>asures</b> er, or dry chemica	5 minutes. Remove contaminate before reuse. examined and tested by give anything by mouth to an ing unless directed to do so by			

Multi-region format



Revision: 03/26/2024

	Protoct	ive Precautions		cidental Release I					
6.1	<b>Protective Precautions,</b> Avoid raising and breathing dust, and provide adequate ventilation.								
	<b>Protective Equipment and</b> As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, <b>Emergency Procedures:</b> and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).								
6.2	-	nmental		Take steps to avoid release into the environment, if safe to do so.					
	Precau								
6.3	Methods and Material For Contain spill and collect, as appropriate.								
			-	al waste container for dispo	sal in accordance with local	regulations.			
	Up:		After removal, flush o	contaminated area and all c	eaning materials with a 10%	6 bleach aqueous			
			solution.						
			Section 7.	Handling and St	orage				
7.1	Precau	tions To Be Taker	Avoid breathing dust/	fume/gas/mist/vapours/spra	у.				
	in Hand	dling:	Avoid prolonged or re	peated exposure.					
7.2	Precau	tions To Be Taker	Keep container tightly						
	in Stori	ing:	Store in accordance v	with information listed on the	e product insert.				
		Sec	tion 8. Exposu	re Controls/Perso	nal Protection				
8.1	Exposu	re Parameters:							
CAS	#	Partial Chemica	l Name	Britain EH40	France VL	Europe			
90	01-32-5	Rat Fibrinogen		No data.	No data.	No data.			
	6132-04-3 Sodium citrate			No data.	No data.	No data.			
61	32-04-3	Sodium citrate		No data.	no dala.	i to data.			
		Partial Chemica	I Name	OSHA TWA	ACGIH TWA	Other Limits			
CAS			l Name						
<b>CAS</b> 90	#	Partial Chemica	I Name	OSHA TWA	ACGIH TWA	Other Limits			
<b>CAS</b> 900	<b>#</b> 01-32-5 32-04-3	Partial Chemica Rat Fibrinogen	l Name	OSHA TWA No data.	ACGIH TWA No data.	Other Limits No data.			
<b>CAS</b> 90	# 01-32-5 32-04-3 Exposu	Partial Chemica       Rat Fibrinogen       Sodium citrate		OSHA TWA No data.	ACGIH TWA No data. No data.	Other Limits         No data.         No data.			
CAS 900 613 8.2	# 01-32-5 32-04-3 Exposu Engine	Partial Chemica Rat Fibrinogen Sodium citrate re Controls:	Use process enclosu	OSHA TWA No data. No data.	ACGIH TWA No data. No data.	Other Limits         No data.         No data.			
900 613 8.2 8.2.1	# 01-32-5 32-04-3 Exposu Engine (Ventila	Partial Chemica Rat Fibrinogen Sodium citrate re Controls: ering Controls	Use process enclosur levels below recomm	OSHA TWA No data. No data. res, local exhaust ventilatior	ACGIH TWA No data. No data.	Other Limits         No data.         No data.			
900 613 8.2 8.2.1	# 01-32-5 32-04-3 Exposu Engine (Ventila Person Eye Pro	Partial Chemica         Rat Fibrinogen         Sodium citrate         re Controls:         ering Controls         ation etc.):         al protection equipotection:	Use process enclosur levels below recomm	OSHA TWA No data. No data. res, local exhaust ventilatior	ACGIH TWA No data. No data.	Other Limits         No data.         No data.			
900 613 8.2 8.2.1	# 01-32-5 32-04-3 Exposu Engine (Ventila Person Eye Pro	Partial Chemica         Rat Fibrinogen         Sodium citrate         re Controls:         ering Controls         ation etc.):         al protection equination	Use process enclosu levels below recomm ipment:	OSHA TWA No data. No data. res, local exhaust ventilatior ended exposure limits.	ACGIH TWA No data. No data.	Other Limits         No data.         No data.			
CAS 900 613 8.2	# 01-32-5 32-04-3 Exposu Engine (Ventila Person Eye Pro Eye Pro Other F	Partial Chemica         Rat Fibrinogen         Sodium citrate         re Controls:         ering Controls         ation etc.):         al protection equipotection:         tive Gloves:         Protective Clothing	Use process enclosu levels below recomm <b>ipment:</b> Safety glasses Compatible chemical- g:Lab coat	OSHA TWA No data. No data. res, local exhaust ventilation ended exposure limits.	ACGIH TWA No data. No data.	Other Limits         No data.         No data.			
900 613 8.2 8.2.1	# 01-32-5 32-04-3 Engine (Ventila Person Eye Pro Protect Other F Respira	Partial Chemica         Rat Fibrinogen         Sodium citrate         re Controls:         ering Controls         ation etc.):         al protection equipotection:         tive Gloves:         Protective Clothing         atory Equipment	Use process enclosu levels below recomm <b>ipment:</b> Safety glasses Compatible chemical- g:Lab coat	OSHA TWA No data. No data. res, local exhaust ventilatior ended exposure limits.	ACGIH TWA No data. No data.	Other Limits         No data.         No data.			
900 613 8.2 8.2.1	# 01-32-5 32-04-3 Exposu Engine (Ventila Person Eye Pro Eye Pro Other F Respira (Specif	Partial Chemica         Rat Fibrinogen         Sodium citrate         re Controls:         ering Controls         ation etc.):         aal protection equipotection:         tive Gloves:         Protective Clothing         atory Equipment         y Type):	Use process enclosur levels below recomm <b>ipment:</b> Safety glasses Compatible chemical- g:Lab coat NIOSH approved res	OSHA TWA No data. No data. res, local exhaust ventilation ended exposure limits. -resistant gloves pirator, as conditions warran	ACGIH TWA No data. No data.	Other Limits         No data.         No data.			
900 613 8.2 8.2.1	# 01-32-5 32-04-3 Engine (Ventila Person Eye Pro Protect Other F Respira (Specif Work/H	Partial Chemica         Rat Fibrinogen         Sodium citrate         re Controls:         ering Controls         ation etc.):         al protection equipotection:         tive Gloves:         Protective Clothing         atory Equipment         ty Type):         lygienic/Maintena	Use process enclosur levels below recomm <b>ipment:</b> Safety glasses Compatible chemical- g:Lab coat NIOSH approved res <b>n</b> Do not take internally	OSHA TWA No data. No data. res, local exhaust ventilation ended exposure limits. -resistant gloves pirator, as conditions warrar	ACGIH TWA No data. No data. No data. n, or other engineering cont	Other Limits         No data.         No data.         rols to control airborn			
900 613 8.2 8.2.1	# 01-32-5 32-04-3 Exposu Engine (Ventila Person Eye Pro Eye Pro Other F Respira (Specif	Partial Chemica         Rat Fibrinogen         Sodium citrate         re Controls:         ering Controls         ation etc.):         al protection equipotection:         tive Gloves:         Protective Clothing         atory Equipment         ty Type):         lygienic/Maintena	Use process enclosur levels below recomm <b>ipment:</b> Safety glasses Compatible chemical- g:Lab coat NIOSH approved res <b>n</b> Do not take internally	OSHA TWA No data. No data. res, local exhaust ventilation ended exposure limits. -resistant gloves pirator, as conditions warran ilizing this material should b	ACGIH TWA No data. No data. No data. n, or other engineering cont	Other Limits         No data.         No data.         rols to control airborn			

Multi-region format



			Section 9. Pr	hysical and C	hemical Pr	roperties			
9.1	Informat	tion on Basic Pl	ysical and Chemica	al Properties					
	Physica	I States:	[] Gas	[ X ] Liquid (frozer	n) [X] Solid	(Lyophilized)			
	Appear	ance and Odor:	Solid						
	Melting	Point:	No data.						
	Boiling	Point:	No data.						
	Flash P	t:	No data.						
	Evapora	ation Rate:	No data.						
	Explosi	ve Limits:	LEL: No o	data.	UEL: No data.				
	Vapor P Hg):	Pressure (vs. Air	<b>or mm</b> No data.						
	Vapor D	ensity (vs. Air =	<b>1):</b> No data.						
	Specific	Gravity (Wate	er = 1): No data.						
	Solubili	ty in Water:	No data.						
	Autoign	ition Pt:	No data.						
).2	Other In	formation							
	Percent	Volatile:	No data.						
			Section	10. Stability a	and Reactiv	vity			
0.1	Reactiv	ity:	No data available	э.					
0.2	Stability	<i>/</i> :	Unstable [ ]	Stable [ X ]					
0.3	Stability	/ Note(s):	Stable if stored in	n accordance with inf	ormation listed o	on the product	insert.		
	Polyme	rization:	Will occur [ ] Will not occur [ X ] No data available.						
0.4	Condition	ons To Avoid:							
0.5	Incomp	atibility - Materi	<b>als</b> No data available	э.					
	To Avoi	d:							
0.6	Hazardo	bus	No data available	е.					
	Decomp	oosition Or							
	Byproducts:								
			Section 1	1. Toxicologi	cal Informa	ation			
11.1	Information on The toxicological effects of this product have not been thoroughly studied.								
	Toxicol	ogical Effects:							
CAS	#	Hazardous Co	mponents (Chemic	cal Name)	NTP	IARC	ACGIH	OSHA	
900	1-32-5	Rat Fibrinogen			n.a.	n.a.	n.a.	n.a.	
613	32-04-3	Sodium citrate			n.a.	n.a.	n.a.	n.a.	
				12. Ecologica	al Informat	ion			
2.1	Toxicity	-				н. с			
		Runoff from fire control or dilution water may cause pollution.							
2.2		ence and	No data available	Э.					
	Degrada	ability:							
12.3	Bioaccu Potentia	ımulative al:	No data available	No data available.					
12.4	Mobility	in Soil:	No data available.						



Revision: 03/26/2024

		No data available.			
assessr 12.6 Other a	dverse effects:	No data available.			
			al Canaidarat	iono	
40.4 . We sta		Section 13. Dispos			
13.1 Waste D	Disposal Method:	Dispose in accordance with loca		-	
		Section 14. Tran	sport Informat	lion	
	RANSPORT (US				
-	er Shipping Name	Not dangerous goods.			
DOT Hazar UN/NA Nui					
		opean ADR/RID):			
	hipping Name:	Not dangerous goods.			
UN Numbe	er:				
Hazard Cla					
	ANSPORT (ICAO	,			
	Shipping Name:	6 6	and state and foders	Iroquiationa	
Additional Tra	nsport	Transport in accordance with lo	ical, state, and ledera	regulations.	
		Section 15. Regu	latory Informa	tion	
	un aufun d Amandu				
CAS #	-	nents and Reauthorization Act ( ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
9001-32-5	Rat Fibrinogen		No	No	No
6132-04-3	Sodium citrate		No	No	No
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or S	State Lists	l
9001-32-5	Rat Fibrinogen	· · · · · · · · · · · · · · · · · · ·	CAA HAP,ODC: N	o; CWA NPDES: No	; TSCA: Yes -
			Inventory; CA PR		
6132-04-3	Sodium citrate		CAA HAP,ODC: N PROP.65: No	o; CWA NPDES: No;	TSCA: No; CA
Regulatory Info	ormation	This SDS was prepared in acco	ordance with 29 CFR	1910.1200 and Regu	lation (EC)
Statement:		No.1272/2008.			
		Section 16. Oth	ner Informatio	n	
Additional Info	rmation About	No data available.			
This Product:					
Company Polic	cy or Disclaimer:	DISCLAIMER: This information is		-	
Company Polic	cy or Disclaimer:	currently available to us. Howev	ver, we make no warra	anty of merchantabilit	y or any other warranty,
Company Polic	cy or Disclaimer:		ver, we make no warra to such information,	anty of merchantabilit and we assume no lia	y or any other warranty, ability resulting from its
Company Polic	cy or Disclaimer:	currently available to us. Howev express or implied, with respect	ver, we make no warra to such information,	anty of merchantabilit and we assume no lia	y or any other warranty, ability resulting from its
Company Polic	cy or Disclaimer:	currently available to us. Howev express or implied, with respect use. Users should make their ov	ver, we make no warra to such information,	anty of merchantabilit and we assume no lia	y or any other warranty, ability resulting from its
Company Polic	cy or Disclaimer:	currently available to us. Howev express or implied, with respect use. Users should make their ov	ver, we make no warra to such information,	anty of merchantabilit and we assume no lia	y or any other warranty, ability resulting from its
Company Polic	cy or Disclaimer:	currently available to us. Howev express or implied, with respect use. Users should make their ov	ver, we make no warra to such information,	anty of merchantabilit and we assume no lia	y or any other warranty, ability resulting from its ty of the information for