

## Material Safety Data Sheet

Version     1.1       Section 1- Product Information     Epidermal Growth Factor (EGF), Mouse       Product Cat. No.:     202972-50; 202972-50; 202972-50;       Substance / Proparation:     Substance       Ingredient Name     Epidermal Growth Factor (EGF), Mouse       CAS No.     No       Section 2- Composition / Information on Ingredients     Substance       Cas No.     No       Section 3- Composition / Information on Ingredients     Substance       Improvementation:     Epidermal Growth Factor (EGF), Mouse       CAS No.     No       Section 3- Hazards Identification     Hintal Section 11.       Fight Section 4- First Aid Measures     O       Fight Section 4- First Aid Measures     If swallowed, wash out mouth with water provided person is conscious. Call a physician.       Orall Exposure     If swallowed, wash out mouth with copious amounts of water for a test 15 minutes       Orall Exposure     If swallowed, wash out mouth with opping amounts of water for a test 15 minutes       Pactor 5- Fire Fighting Measures     Not available       Readowity     Not available       Radiophitin Temp     Not available       Radiophitin Temp     Not available				Date Created Date Updated	11/28/2012
Product   Name:   Epidermal Growth Factor (EGF), Mouse     Product   Cat. No.:   202972-10, 202972-50, 202972-10     Substance / Proparation:   Substance     Ingredient Name   Epidermal Growth Factor (EGF), Mouse     CAS No.   No     SARA 313   No     Section 3. Composition / Information on Ingredients     Substance   No     SARA 313   No     Section 3. Hazards Identification     HMIR Rating   0     Health   0     Reactivity   0     NFPA Rating   0     Health   0     Flammability   0     Oral Exposure   If swallowed, wash out mouth with water provided person is conscious. Call a physician.     Inhalation Exposure   If swallowed, wash out mouth with water provided person is conscious.     Oral Exposure   If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Inhalaton Exposure   If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Inhalaton Exposure   If acas of contact, flush with copious amounts of water for at least 15 minutes.     Reating Providing Media   Not available     Plash Point	Continue 4. Deschund Information			version	1.1
Product Cat. No.: 202972-10; 202972-10; 202972-1 Section 2: Composition / Information on Ingredients Substance / Preparation: Substance / Epidermal Growth Factor (EGF), Mouse CAS No. No SARA 313 No Section 3: Hazards Identification HillS Rating Health 0 Flarmability 0 Reactivity 0 Predeting 1 of the section 1 of the s		<b>E</b> : 1 - 1 - 0 - 1 - 1			
Substance / Preparation:   Substance     Ingredient Name   Epidermal Growth Factor (EGF), Mouse     CAS No.   No     Section 3- Hazards Identification   Image in the start in the star					
Ingredient Name Epidermal Growth Factor (EGF), Mouse No SARA 313 No Section 3- Hazards Identification HMIS Rating 0 Filemmability 0 Reactivity 0 Reactivity 0 Franmability 0 Frank Faiting 1 Franmability 0 Franmability 0 Franmability 0 Franmability 0 Frank Point 4- First Aid Measures Frank Point 1 Frank Posure 1 Finaled, remove to fresh air. If breathing becomes difficult, call a physician. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated colting and shoes. Call a physician. In case of ocntact with eyes, flush with copious amounts of water for at least 15 minutes. Remove contaminated colting and shoes. Call a physician. In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Remove contaminated colting and shoes. Call a physician. Eye Exposure II inhaled, remove to fresh air. If breathing becomes difficult, call a physician. Eye Exposure II inhaled, remove to fresh air. If breathing becomes difficult, call a physician. Section 5- Fire Fighting Measures Fire Fighting Media Suitable Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. Fire Fighting Wata suitable Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. Fire Fighting Wata suitable Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. Fire Fighting Wata suitable Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. Fire Fighting Wata suitable Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. Fire Fighting Wata suitable Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. Fire Fighting Wata suitable Water spray. Carbon dioxide, dry chemical powder, or appropriate	Section 2- Composition / Information	on on Ingredients			
CÅS No.   No     SARA 313   No     Section 3- Hazards Identification   Image: Construct of the section of the sectin of the section of the section of the section		Substance			
SARA 313 No   Section 3- Hazards Identification Intel Rating   Health 0   Frammability 0   Reactivity 0   Presentity 0		Epidermal Growth I	Factor (EGF), Mouse		
Section 3- Hazards Identification     HMIS Rating Heath   0     Flammability   0     Reactivity   0     Prevention   Not available     Prevention   Not available     Protective Equipment   Not available     Protective Equipment   Wear self-contained breathing apparatus and pr		No			
HMIS Rating Health   0     Flammability   0     Reactivity   0     Preadminishing   0	SARA 313	No			
Health   0     Flammability   0     Reactivity   0     NFPA Rating   0     Health   0     Reactivity   0     Reactivity   0     Prest Aditional information on toxicity, please refer to Section 11.     Section 4- First Aid Measures     Oral Exposure   If swallowed, wash out mouth with water provided person is conscious. Call a physician.     Inhalation Exposure   If inhalado, remove to fresh air. If breathing becomes difficult, call a physician.     Eye Exposure   In case of skin contact, flush with copious amounts of water for at least 15 minutes.     Assure adequate flushning by separating the eyelids with fingers. Call a physician.     Section 5- Fire Fighting Measures     Flash Point   Not available     Autoignition Temp   Not available     Yuter spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Protective Equipment   Wear respirator, chemical afety goggles, rubber boots, and heavy rubber gloves with skin and eyes.     Specific Hazard(s)   Exacute area     Eak or Spill   Procedure to Be Followed in Case of Leak or Spill     Procedure to Be Followed					
Flammability   0     Reactivity   0     NFPA Rating   0     Heatin   0     Prannability   0     Reactivity   0     Oral Exposure   If swallowed, wash out mouth with water provided person is conscious. Call a physician.     Inhalation Exposure   If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Dermal Exposure   In case of skin contact, flush with copious amounts of water for at least 15 minutes     Remove contaminated dothing and shoes.   Call a physician.     Eye Exposure   In case of contact with eyes, flush with copious amounts of water for at least 16 minutes.     Section 5- Fire Fighting Measures   Flash Point     Flash Point   Not available     Autoignition Temp   Not available     Sutable   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 7- Accidental Release Measures   Procedure to Be Followed in Case of Evacuate area     Leak or Spill   Protective Equipment   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber g					
Reactivity   0     NFPA Rating   0     Health   0     Reactivity   0     Reactivity   0     Presting   0     Presting   0     Presting   0     Oral Exposure   If swallowed, wash out mouth with water provided person is conscious. Call a physician.     Inhalation Exposure   If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Dermal Exposure   In case of oxnatz with eyes, flush with copious amounts of water for at least 15 minutes.     Reprove contaminated dothing and shoes. Call a physician.   Eye Exposure     Eye Exposure   In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.     Flash Point   Not available     Autoignition Temp   Not available     Filammability   Not available     Suitable   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Procedure to Be Followed in Case of Evacuate area   Emits toxic furmes under fire conditions     Section 6 - Accidental Rele					
NFPA Rating   0     Health   0     Filammability   0     For additional information on toxicity, please refer to Section 11.     Section 4- First Aid Measures     Oral Exposure   If swallowed, wash out mouth with water provided person is conscious. Call a physician.     Inhalation Exposure   If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Demal Exposure   If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Demal Exposure   In case of skin contact, flush with copious amounts of water for at least 15 minutes.     Reprove contaminated clothing and shoes. Call a physician.   In case of skin contact, with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.     Section 5- Fire Fighting Measures   Flash Point     Planmability   Not available     Sutable   Water spray. Carbon dioxide, dry chemical powder, or appropriate foarm.     Fire Fighting   Protective Equipment     Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Ernits toxic fumes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure to Be Followed in Case of Leak or					
Health   0     Flarmability   0     For additional information on toxicity, please refer to Section 11.     Section 4- First Aid Measures     Oral Exposure   If swallowed, wash out mouth with water provided person is conscious. Call a physician.     Dermal Exposure   If inhalation, remove to fresh air. If breathing becomes difficult, call a physician.     Dermal Exposure   In case of skin contact, flush with copious amounts of water for at least 15 minutes.     Eye Exposure   In case of contact with yees, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.     Eye Exposure   In case of contact with yees, flush with copious amounts of water for at least 16 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.     Flash Point   Not available     Autoignition Temp   Not available     Exiting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Water self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 5- Accidental Release Measures   Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Specific Haz	•	0			
Flammability   0     Reactivity   0     For additional information on toxicity, please refer to Section 11.     Section 4 First Aid Measures     Oral Exposure   If swallowed, wash out mouth with water provided person is conscious. Call a physician.     Inhalation Exposure   If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Dermal Exposure   In case of skin contact, flush with copious amounts of water for at least 15 minutes.     Eye Exposure   In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.     Section 5- Fire Fighting Measures   Flash Point     Ration Temp   Not available     Autoignition Temp   Not available     Valuable   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Wear self-contained breathing apparatus and protective clothing to prevent contace with skin and eyes.     Specific Hazard(s)   Emits toxic fuere such as aday spills ite after material pickup is complete.     Section 5- Accidental Release Measures   Evacuate area     Procedure(s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site					
Reactivity   0     For additional information on toxicity, please refer to Section 11.     Section 4 - First Aid Measures     Oral Exposure   If swallowed, wash out mouth with water provided person is conscious. Call a physician.     Inhalation Exposure   In case of skin contact, flush with copious amounts of water for at least 15 minutes.     Dermal Exposure   In case of ocntact with eyes, flush with copious amounts of water for at least 15 minutes.     Eye Exposure   In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.     Assure adequate flushing by separating the eyelids with fingers. Call a physician.     Eye Exposure   In case of contact with eyes, flush with copious amounts of water for at least 16 minutes.     Autoignition Temp   Not available     Planh Point   Not available     Autoignition Temp   Not available     Protective Equipment   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Ewita self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Leak or Spill   Evacuate area     Leak or Spill   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid raising dust Ventilate area and wash spill site after material picku					
For additional information on toxicity, please refer to Section 11.     Section 4- First Aid Measures     Oral Exposure   If swallowed, wash out mouth with water provided person is conscious. Call a physician.     Inhalation Exposure   If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Eye Exposure   If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Eye Exposure   In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.     Section 5- Fire Fighting Measures   Not available     Flash Point   Not available     Autoignition Temp   Not available     Suitable   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Ernis toxic fumes under fire conditions     Section 7- Handling and Storage   Evacuate area     Procedure(s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves     Sweep up, place in a bag and hold for waste disposat. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Storage   Avoid inhalation. Avoid contact with eyes, ski		-			
Section 4- First Aid Measures     Oral Exposure   If swallowed, wash out mouth with water provided person is conscious. Call a physician.     Inhalation Exposure   If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Eye Exposure   In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.     Eye Exposure   In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.     Section 5- Fire Fighting Measures   Flash Point     Autoignition Temp   Not available     Planmability   Not available     Suitable   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure(s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling User Exposure   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeat		<b>v</b>			
Oral Exposure   If swallowed, wash out mouth with water provided person is conscious. Call a physician.     Inhalation Exposure   If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Eye Exposure   In case of skin contact, flush with copious amounts of water for at least 15 minutes.     Eye Exposure   In case of ontact, flush with copious amounts of water for at least 15 minutes.     Assure adequate flushing by separating the eyelids with fingers. Call a physician.   In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.     Section 5- Fire Fighting Measures   Flash Point   Not available     Flammability   Not available   Not available     Suitable   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.   Fire Fighting     Protective Equipment   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Leak or Spill   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storag					
Inhalation Exposure   physician.     Inhalation Exposure   If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Eye Exposure   In case of skin contact, flush with copious amounts of water for at least 15 minutes.     Eye Exposure   In case of skin contact, flush with copious amounts of water for at least 15 minutes.     Section 5- Fire Fighting Measures   In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.     Flash Point   Not available     Autoignition Temp   Not available     Flarmability   Not available     Suitable   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Protective Equipment     Protective Equipment   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Leak or Spill   Evacuate area     Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves     Sweeup up, place in a bag and hold for waste disposal. Avoid prolonged or repeated exposure.     Layophilized recombinant mouse Epidermal Growth Factor				<u> </u>	0 "
Inhalation Exposure   if inhaled, remove to fresh air. If breathing becomes difficult, call a physician.     Dermal Exposure   in case of skin contact, flush with copious amounts of water for at least 15 minutes.     Eye Exposure   In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.     Section 5- Fire Fighting Measures   In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.     Flash Point   Not available     Autoignition Temp   Not available     Fire Fighting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Protective Equipment   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic furmes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Leak or Spill   Evacuate area     Ventilate area and wash spill site after material pickup is complete.   Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.	Oral Exposure		out mouth with water provide	ed person is conscio	ous. Call a
Dermal Exposure   In case of skin contact, flush with copious amounts of water for at least 15 minutes.     Eye Exposure   In case of skin contact, flush with copious amounts of water for at least 15 minutes.     Section 5- Fire Fighting Measures   Fire Fighting Measures     Flash Point   Not available     Autoignition Temp   Not available     Fire Fighting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Protective Equipment   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 6- Accidental Release Measures   Procedure to Be Followed in Case of Evacuate area     Leak or Spill   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling user Exposure   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 2 weeks at 4°C or up to 3 months at -20°C.					
Eye Exposure   Remove contaminated clothing and shoes. Call a physician. In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.     Section 5- Fire Fighting Measures   Flash Point     Flash Point   Not available     Autoignition Temp   Not available     Extinguishing Media   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Protective Equipment   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Procedure (s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves     Methods for Cleaning Up   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     860 Centennial Ave., Piscataway, NJ 08854					
Eye Exposure   In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.     Section 5- Fire Fighting Measures   Flash Point     Autoignition Temp   Not available     Exinguishing Media   Not available     Suitable   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure (s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves     Methods for Cleaning Up   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Section 7- Handling and Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     860 Centennial Ave., Piscataway, NJ 08854, USA	Dermai Exposure				15 minutes.
Section 5- Fire Fighting Measures     Flash Point   Not available     Autoignition Temp   Not available     Flammability   Not available     Suitable   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Procedure (s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves     Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.     860 Centennial Ave., Piscataway, NJ 08854, USA	Eye Exposure	In case of contact minutes. Assure a	with eyes, flush with copious a	amounts of water for	
Flash Point   Not available     Autoignition Temp   Not available     Flammability   Not available     Suitable   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Protective Equipment   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Procedure(s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves     Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.     860 Centennial Ave., Piscataway, NJ 08854, USA		prysician.			
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Flammability   Not available     Extinguishing Media   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Protective Equipment     Specific Hazard(s)   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Procedure(s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves     Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Handling   Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.     860 Centennial Ave., Piscataway, NJ 08854, USA					
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Suitable   Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.     Fire Fighting   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic furmes under fire conditions     Section 6- Accidental Release Measures   Exacuate area     Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Procedure(s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.		Not available			
Fire Fighting   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Procedure(s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves     Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.		Motor oprov. Corbo	n diavida, dru abarniaal naudar	or oppropriate form	
Protective Equipment   Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.     Specific Hazard(s)   Emits toxic furnes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Procedure(s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves     Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storage     Handling     User Exposure   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.		water spray. Carbo	n dioxide, dry chemical powder,	or appropriate toam.	
Specific Hazard(s)   with skin and eyes.     Emits toxic fumes under fire conditions     Section 6- Accidental Release Measures     Procedure to Be Followed in Case of     Leak or Spill     Procedure(s) of Personal Precaution(s)     Methods for Cleaning Up     Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves     Sweep up, place in a bag and hold for waste disposal. Avoid raising dust     Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storage     Handling     User Exposure     Storage     Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.     860 Centennial Ave., Piscataway, NJ 08854, USA		Maar calf containe	d breathing apparatus and prat	active elething to prov	vent contect
Specific Hazard(s)   Emits toxic fumes under fire conditions     Section 6- Accidental Release Measures   Evacuate area     Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Procedure(s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Boo Centennial Ave., Piscataway, NJ 08854, USA	Protective Equipment		a breathing apparatus and prote	ective clothing to pre	
Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Procedure(s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Storage     Storage   Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.     860 Centennial Ave., Piscataway, NJ 08854, USA	Specific Hazard(s)		nder fire conditions		
Procedure to Be Followed in Case of Leak or Spill   Evacuate area     Procedure(s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storage   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Storage     Storage   Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.     860 Centennial Ave., Piscataway, NJ 08854, USA	Section 6- Accidental Release Meas	sures			
Procedure(s) of Personal Precaution(s)   Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves     Sweep up, place in a bag and hold for waste disposal. Avoid raising dust     Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storage     Handling     User Exposure     Storage     Void inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.     860 Centennial Ave., Piscataway, NJ 08854, USA	Procedure to Be Followed in Case of				
Methods for Cleaning Up   Sweep up, place in a bag and hold for waste disposal. Avoid raising dust Ventilate area and wash spill site after material pickup is complete.     Section 7- Handling and Storage     Handling     User Exposure     Storage     Ventilate area and wash spill site after material pickup is complete.     Storage     Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.     860 Centennial Ave., Piscataway, NJ 08854, USA		Moor roopirotor -	amigal patoty gaggies where he	note and have when	
Handling   User Exposure   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.     860 Centennial Ave., Piscataway, NJ 08854, USA		Sweep up, place	in a bag and hold for waste	e disposal. Ávoid r	
Handling   User Exposure   Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.     Storage   Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.     860 Centennial Ave., Piscataway, NJ 08854, USA	Section 7- Handling and Storage				
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Storage   Lyophilized recombinant mouse Epidermal Growth Factor (rmEGF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmEGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.     860 Centennial Ave., Piscataway, NJ 08854, USA				nd clothing. Avoid p	orolonged or
	Storage	Lyophilized recomb up to 6 months at -	inant mouse Epidermal Growth 80°C from date of receipt. Upon	reconstitution, rmEG	
		0 Centennial Ave. Pis	cataway, NJ 08854, USA		
				Web: www.genso	ript.com



## Section 8- Exposure Controls/Personal Protection Equipment

Engineering Controls	Mechanical exhaust required
Personal Protective Equipment	
Respiratory	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator.
Other	Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.
General Hygiene Measures	Wash thoroughly after handling

## **Section 9- Physical and Chemical Properties**

Appearance	
Physical State	Lyophilized powder
Property	
Molecular Weight	~6.2 kDa
pH	Not available
BP/BP Range	Not available
MP/MP Range	Not available
	Not available
Freezing Point	
Vapor Pressure	Not available
Vapor Density	Not available
Saturated Vapor Conc.	Not available
SG/Density	Not available
Bulk Density	Not available
Odor Threshold	Not available
Volatile%	Not available
VOC Content	Not available
Water Content	Not available
Solvent Content	Not available
Evaporation Rate	Not available
Viscosity	Not available
Surface Tension	Not available
Partition Coefficient	Not available
Decomposition Temp.	Not available
Flash Point	Not available
Explosion Limits	Not available
Flammability	Not available
Autoignition Temp	Not available
Refractive Index	Not available
Optical Rotation	Not available
Miscellaneous Data	Not available
Solubility	Not available
Section 10- Stability and Reactivity	
Stability	
Stable	Stable
Hazardous Decomposition Products	
Hazardous Decomposition Products	Nature of decomposition products not known
Section 11- Toxicological Informatio	n
Route of Exposure	
Skin Contact	May cause skin irritation
Skin Absorption	May be harmful if absorbed through the skin
Inhalation	Material may be irritating to mucous membranes and upper respiratory tract, May
malation	be harmful if inhaled.
Ingestion	May be harmful if swallowed
Conditions Aggravated by Exposure	The toxicological properties have not been thoroughly investigated.
Conditions Aggravated by Exposure	וויפטונשונעו איטאבווובא וומיב ווטו שבבו וווטוטענוווץ ווויפטונשמובע.

## Section 12- Ecological Information



Eco-toxicity Toxicity of The Products of Biodegradation	The product itself and its products of degradation are not toxic.	
-		
Section 13- Disposal Consideration	IS	
Appropriate Method of Disposal of	Waste must be disposed of in accordance with federal, state and local	
Substance or Preparation	environmental control regulations.	
Section 14- Transport Information		
DOT		
Proper Shipping Name	None	
Non-Hazardous for Transport	This substance is considered to be non-hazardous for transport.	
IATA		
Non-Hazardous for Air Transport	Non-hazardous for air transport	
Section 15- Regulatory Information		
United States Regulatory information		
SARA Listed	No	
Canada Regulatory Information		
WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPR,	
	and the MSDS contains all the information required by the CPR.	
DSL	No	
NDSL	No	
Section 16- Other Information		

Disclaimer

For in vitro research use only.

GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel, GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.