

Date Created

09/27/2011

# **Material Safety Data Sheet**

Product Name Human (gC (Fc) Antibody, mAb, Mouse A01797 Product Cat. No. A01797 Substance / Proparation: Substance Improduct Name Kather Substance / Proparation: Substance Mouse No. No. Section 2 - Hazards Identification Human (gC (Fc) Antibody, mAb, Mouse No. SARA 313 No Section 3 - Hazards Identification Hutis Rating Health 2 Flammability 0 Reactivity 0 Verse Section 4 - Error Section 1 - Section 4 - Error Section 2 - Section 4 - Error Section 2 - Section 3 - Section 3 - Section 5 - Section 4 - Error Section 1 - Section 4 - Error Section 3 - Section 5 - Section		Date Cre Date Up Version		09/27/207
Product Cat. No. A01797 Section 2: Composition / Information on Ingredients Substance / Preparation: Ingredient Name CAS No. SARA 313 No Section 3: Hazards Identification HMIS Raing Health 2 Flammability 0 Reactivity 0 Reactiv	Section 1- Product Information			
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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.         Fire Fighting       Wear self-contained breathing apparatus and protective clothing to prevent of 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 Leak or Spill         Procedure(s) of Personal Precaution(s)       Wear respirator, chemical safety goggles, rubber boots, and heavy rubber glov Sweep up, place in a bag and hold for waste disposal. Avoid raising 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 prolon repeated exposure.         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment         Engineering Controls       Mechanical exhaust required         Personal Protective Equipment       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory protein	Section 5- Fire Fighting Measures			
Autoignition Temp       Not available         Flammability       Not available         Extinguishing Media       Suitable         Suitable       Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.         Fire Fighting       Wear self-contained breathing apparatus and protective clothing to prevent of 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 Leak or Spill         Procedure (s) of Personal Precaution(s)       Wear respirator, chemical safety goggles, rubber boots, and heavy rubber glov Sweep up, place in a bag and hold for waste disposal. Avoid raising 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 prolon repeated exposure.         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment         Respiratory       Wechanical exhaust required         Personal Protective Equipment       Mechanical exhaust required         Personal Protective Equipment       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory protein		Not available		-
Flammability       Not available         Extinguishing Media       Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.         Suitable       Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.         Fire Fighting       Wear self-contained breathing apparatus and protective clothing to prevent of 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 glov         Methods for Cleaning Up       Wear respirator, chemical safety goggles, rubber boots, and heavy rubber glov         Section 7- Handling and Storage       Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolon repeated exposure.         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment       Mechanical exhaust required         Personal Protective Equipment       Wear respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory prote				
Extinguishing Media       Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.         Suitable       Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.         Fire Fighting       Wear self-contained breathing apparatus and protective clothing to prevent of 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 glow         Methods for Cleaning Up       Sweep up, place in a bag and hold for waste disposal. Avoid raising 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 prolon repeated exposure.         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment         Respiratory       Mechanical exhaust required         Personal Protective Equipment       Vear respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory protein				
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 of 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 glow         Sweep up, place in a bag and hold for waste disposal. Avoid raising 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 prolon repeated exposure.         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment       Mechanical exhaust required         Personal Protective Equipment       Respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory prote				
Fire Fighting       Wear self-contained breathing apparatus and protective clothing to prevent of with skin and eyes.         Specific Hazard(s)       Emits toxic fumes under fire conditions         Section 6- Accidental Release Measures       Emits toxic fumes under 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 glow Sweep up, place in a bag and hold for waste disposal. Avoid raising 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 prolon repeated exposure.         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment         Engineering Controls       Mechanical exhaust required         Personal Protective Equipment       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory protective		Water spray. Carbon dioxide, dry chemical powder, or appropriate	e foam.	
Protective Equipment       Wear self-contained breathing apparatus and protective clothing to prevent of 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 glow Sweep up, place in a bag and hold for waste disposal. Avoid raising Ventilate area and wash spill site after material pickup is complete.         Section 7- Handling and Storage       Handling         Handling       Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolon repeated exposure.         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment         Respiratory       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory protective respiratory protective standards such as NIOSH (US) or CEN (EU).	Fire Fighting			
Specific Hazard(s)       with skin and eyes. 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 glov Sweep up, place in a bag and hold for waste disposal. Avoid raising Ventilate area and wash spill site after material pickup is complete.         Section 7- Handling and Storage       Handling User Exposure         Handling User Exposure       Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolon repeated exposure. Storage         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment Respiratory       Mechanical exhaust required         Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory prote		Wear self-contained breathing apparatus and protective clothing	to prev	vent contac
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 glov Sweep up, place in a bag and hold for waste disposal. Avoid raising Ventilate area and wash spill site after material pickup is complete.         Section 7- Handling and Storage       Handling User Exposure         Handling       Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolon repeated exposure. Storage         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment Respiratory       Mechanical exhaust required         Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory prote			· •	
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 glow Sweep up, place in a bag and hold for waste disposal. Avoid raising 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 prolon repeated exposure. Storage         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment Respiratory       Mechanical exhaust required         Use respiratory       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory proter	Specific Hazard(s)			
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 glow Sweep up, place in a bag and hold for waste disposal. Avoid raising 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 prolon repeated exposure. Storage         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment Respiratory       Mechanical exhaust required         Use respiratory       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory proter	Section 6- Accidental Release Meas	sures		
Procedure(s) of Personal Precaution(s)       Wear respirator, chemical safety goggles, rubber boots, and heavy rubber glow         Methods for Cleaning Up       Sweep up, place in a bag and hold for waste disposal. Avoid raising         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 prolon         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment         Respiratory       Mechanical exhaust required         Use respirators and components tested and approved under appr         government standards such as NIOSH (US) or CEN (EU). Respiratory protein				
Methods for Cleaning Up       Sweep up, place in a bag and hold for waste disposal. Avoid raising Ventilate area and wash spill site after material pickup is complete.         Section 7- Handling and Storage       Handling         Handling       Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolon repeated exposure.         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment       Mechanical exhaust required         Personal Protective Equipment       Mechanical exhaust required         Verspiratory       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory proteins				
Section 7- Handling and Storage         Handling User Exposure       Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolon repeated exposure. Storage         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment Respiratory       Mechanical exhaust required         User respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory protection				
Section 7- Handling and Storage         Handling User Exposure       Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolon repeated exposure. Storage         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment         Engineering Controls       Mechanical exhaust required         Personal Protective Equipment       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory protein	Methods for Cleaning Up			aising dus
Handling       User Exposure       Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolon repeated exposure.         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment         Engineering Controls       Mechanical exhaust required         Personal Protective Equipment       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory protein		Ventilate area and wash spill site after material pickup is complete	э.	
Handling       User Exposure       Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolon repeated exposure.         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment         Engineering Controls       Mechanical exhaust required         Personal Protective Equipment       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory protein	Section 7- Handling and Storage			
User Exposure       Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolon repeated exposure.         Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment       Mechanical exhaust required         Engineering Controls       Mechanical exhaust required         Personal Protective Equipment       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory protein				
Storage       repeated exposure. Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment         Engineering Controls       Mechanical exhaust required         Personal Protective Equipment Respiratory       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory protection		Avoid inhalation. Avoid contact with eves skin and clothing	Avoid n	rolonaed a
Storage       Storage at -20 °C         Section 8- Exposure Controls/Personal Protection Equipment         Engineering Controls       Mechanical exhaust required         Personal Protective Equipment       Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory proteins				. siengeu (
Engineering Controls       Mechanical exhaust required         Personal Protective Equipment       Use respirators and components tested and approved under appr         Respiratory       Use respirators and components tested and approved under appr         government standards such as NIOSH (US) or CEN (EU).       Respiratory protection	Storage			
Engineering Controls       Mechanical exhaust required         Personal Protective Equipment       Use respirators and components tested and approved under appr         Respiratory       Use respirators and components tested and approved under appr         government standards such as NIOSH (US) or CEN (EU).       Respiratory protection	Section 8. Exposure Controls/Pare	onal Protection Equipment		
Personal Protective Equipment Respiratory government standards such as NIOSH (US) or CEN (EU). Respiratory prote				
Respiratory Use respirators and components tested and approved under appr government standards such as NIOSH (US) or CEN (EU). Respiratory prote-		momanical conduct required		
government standards such as NIOSH (US) or CEN (EU). Respiratory protection		Use respirators and components tested and approved	under	appropriat
960 Contonnial Ava Disastaway NT 00054 LICA		200 Centennial Ave. Bicestowey NL00054 LICA		
Toll-free Tel: 1-877-436-7274 Fax: 1-732-210-0262 Email: product@genscript.com Web: www.genscript.com				



## **One-Stop Solution for Life Science Research**

not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator. Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Wash thoroughly after handling

Other

**General Hygiene Measures** 

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

Appearance	
Physical State	Lyophilized powder
Property	
Molecular Weight	Not available
pH	Not available
BP/BP Range	Not available
MP/MP Range	Not available
Freezing Point	Not available
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	Soluble in water

### Section 10- Stability and Reactivity

Stability	
Stable	Stable
Hazardous Decomposition Products	
Hazardous Decomposition Products	Nature of decomposition products not known
Section 11- Toxicological Information	on
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 be harmful if inhaled.
Ingestion	May be harmful if swallowed
Conditions Aggravated by Exposure	The toxicological properties have not been thoroughly investigated.
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 Substance or Preparation	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Section 14- Transport Information	
DOT	



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	
Jnited States Regulatory information	
SARA Listed	No
Canada Regulatory Information	
WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPI 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.