

CAS NUMBER

CONTENT

2% 0.1%

MATERIAL SAFETY DATA SHEET MSDS No. 2007074

Anti Keratin 12 Polyclonal Antibody **IDENTITY: KR074**

N A T E	MICAL PRODUCT AND COMPANY IDENTIFIC MANUFACTURER'S NAME ADRESS TELEPHONE NUMBER FOR INFORMATION MERGENCY TELEPHONE NUMBER DATA PREPARED	ATION : TRANS GENIC INC. : 7-1-14 Minatojima minami-machi, Chuo-ku, Kobe, Japan 650-0047 : +81-78-306-0295 : +81-78-306-0295 : May 7, 2007		
2. COMPOSITION / INFORMATION ON INGREDIENTS				
	CHEMICAL NAME			
	Anti Keratin 12 Polyclonal Antibody			
	Phosphate buffer solution			
	Block Ace			
	PROCLIN			
3. HAZARDS IDENTIFICATION				
EMERGENCY OVERVIEW :White frozen mass Irritation of eyes and skin. May be harmful if inhaled and ingested.				
POTENTIAL HEALTH EFFECTS:				
	ROUTE OF ENTRY Inhalation: Yes, Skin: Y	es. Ingestion: Yes.		

	EYE CONTACT SKIN CONTACT SKIN ABSORPTION INHALATION INGESTION	 Inhalation; Yes, Skin; Yes, Ingestion; Yes. May irritate and cause pain, tearing, reddings swelling and itching of the eyes. Hypersensitive individuals may experience allergic reactions and dermatologic reactions such as rash and hives. Prolonged exposure may result in the material being absorbed through skin in harm full amounts. Irritate to the eyes, nose, throat and lungs. It may also cause headaches and dizziness. May cause anorexia, headaches, bellyache, diarrhea, nausea, vomiting and fever. NTP; Not listed, IARC; Not listed, OSHA; Not listed. 		
4. FIRST	ΓAID			
	EYE CONTACT	: Remove any contact lenses at once. Flush eyes well with flooding amounts of running water for at least 15 minutes.		
	INHALATION	Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician. : Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. If irritation persists, consult a physician. : Move victim to fresh air. If breathing is difficult, give oxygen. If irritation persists, consult a physician. : Rinse mouth, give plenty of water or milk to dilute the substance and induce vomiting. Consult a physician.		
5. FIRE FIGHTING MEASURES				
	FLAMMABLE LIMITS EXTINGUISHING MEDIA FIRE & EXPLOSION HAZARDS	: Not available. : Not available. : Carbon dioxide, dry chemical powder, foam, water. : Toxic, irritating fumes or smoke may be emitted. S: Firemen should wear normal protective equipments and positive-pressure self-contained breathing apparatus.		
6. ACCIDENTAL RELEASE MEASURES				
		nout suitable protection. Take up spilled material with ashes or other absorbents. After material is completely picked up, wash the spill site with soap and water and anup, wear protective clothes, gloves and goggles. Put all wastes in a plastic bag for disposal and seal it tightly. Remove, clean or dispose of contaminated clothing.		
7. HANDLING AND STORAGE				
		I clothing. Avoid prolonged or repeated exposure. Handle material with suitable protection. d (- $20^{\circ}C$ = -4KF) well- ventilated dry place. Keep container tightly closed.		
8. EXPOSURE CONTROLS / PERSONAL PROTECTION				
	VENTILATION	: Use exhaust ventilation to keep airborne concentrations below exposure limits. Use only with adequate ventilation. : Local Exhaust: Necessary, Mechanical (General): Necessary. : Safety glasses, Chemical resistant gloves, Protective clothing, NIOSH / MSHA approved respirator.		
9. PHYSICAL AND CHEMICAL PROPERTIES				
		: White frozen mass, MELTING POINT: Not Available, BOILING POINT: Not available, : Not available, SOLUBILITY IN WATER: Miscible		
10. STABILITY AND REACTIVITY				
	CHEMICAL STABILITY	: This material is stable under normal and anticipated ambient storage and handling conditions.		

CONDITON TO AVOID : Sunlight, heat. INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers, metals, acids, acid chlorides HAZARDOUS DEOMPOSITION PRODUCTS: Carbon monoxide, nitrogen oxides, Sulfur oxides, phosphor oxides and sodium compounds may be formed. HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS : May be harmful by inhalation, indigestion or skin absorption. The toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Not available.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with existing disposal practices employed for infectious waste at your institution. Observe all federal, state and local environmental regulation.

14. TRANSPORT INFORMATION

Not available.

15. REGULATORY INFORMATION

Caution: Substance not yet fully tested.

16. OTHER INFORMATION

This product is a chemical substance and is intended to be used by persons having chemical knowledge and skill, as their own discretion and risk. The above information is believed to be correct but dose not purport to be all inclusive and shall be used only as a guide. ** shall not be held liable for any damage resulting from handling or from contact with the above material.