

# Material Safety Data Sheet

Revision: 6/07/2004



Hazard information is provided for compliance with both the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations and the US Hazard Communication Standard (HCS)

## IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT NAME:  
Chorionic Gonadotropin (HCG) 5,000 I.U./ vial

PRODUCT CODE:  
13662

EEC NUMBER:  
232-660-2

### SUPPLIER:

USB Corporation, 26111 Miles Road, Cleveland, Ohio 44128 Phone: (216) 765-5000

### Emergency Contact:

Chemtrec (800) 424-9300  
Outside USA & Canada 703 527 3887

## COMPOSITION/HAZARDOUS COMPONENTS

<u>HAZARD</u>	<u>CAS NO.</u>	<u>%WT</u>	<u>TLV</u>	<u>CHIP R &amp; S Phrases</u>
Chorionic Gonadotropin (HCG) 5,000 I.U. / vial	9002-61-3	2.7%	---	R:36/37/38 Irritating to eyes, respiratory system and skin. S:24/25 Avoid contact with skin and eyes. S:36/37 Wear suitable protective clothing and gloves.

## HAZARDS IDENTIFICATION

CHIP  
Irritant  
HCS  
Irritant

## FIRST-AID MEASURES

EYES: Flush with water for 15 minutes. Seek medical advice if irritation persists.  
SKIN: Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.  
INHALATION: Remove the victim from exposure and move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Seek immediate medical attention.  
INGESTION: Drink water and seek immediate medical attention. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

## FIRE-FIGHTING INFORMATION

Use media suitable to extinguish the supporting or surrounding fire. Wear NIOSH (or equivalent) approved self contained breathing apparatus. For small fires only: use carbon dioxide, dry powder or foam. Emits toxic fumes under fire conditions. May be combustible at high temperature.  
Flash Point = No data available.

## ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment and clothing including lab coat, safety goggles, gloves and NIOSH-approved respirator. Collect in a manner that does not create dust and place in a suitable waste container. Avoid contact of material with skin or eyes. Use adequate ventilation.

## HANDLING AND STORAGE

Caution: Handle all products prepared from human sources as if they were capable of transmitting infectious agents. Avoid accidental inoculation, intravenous injection or contact with open wounds. Wash thoroughly after handling. Observe universal precautions when working with this product. Products from human sources have been tested and found negative for Hepatitis B and HIV viruses. Wear appropriate personal protective equipment and clothing including lab coat, safety goggles, gloves and NIOSH-approved respirator. Avoid contact of material with skin or eyes. Use adequate ventilation. Store ambient away from incompatible materials.

This data sheet is based upon information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.

For Further Information, contact your local USB Authorized distributor, Amersham Biosciences	<b>Asia Pacific</b> +852 2811 8693	<b>Canada</b> 1 800 463 5800	<b>Former Soviet Union</b> +7 (095) 232 0250	<b>Japan</b> 81 3 5331 9337	<b>Norway</b> 63 89 23 10	<b>Spain</b> 935 944 950	<b>USA</b> USB Corporation (216) 765-5000 If purchased from Amersham Biosciences use 1 800 526 3593
	<b>Australia</b> +61 2 9894 5188	<b>Central and East Europe</b> +43 1 982 3826	<b>France</b> 0169 18 28 00	<b>Latin America</b> +55 11 3667 5700	<b>Portugal</b> 01 417 70 35	<b>Sweden</b> 018 164000	
	<b>Austria</b> 01 576 0616 10	<b>Denmark</b> +45 4516 2400	<b>Germany</b> 07 61 49 03 0	<b>Middle East and Africa</b> +30 (1) 96 00 687	<b>South East Asia</b> 60 3 724 2080	<b>Switzerland</b> 01 802 81 50	
	<b>Belgium</b> 0800 73888	<b>Finland</b> 358 (9) 512 3940	<b>Italy</b> 02 27322 1	<b>Netherlands</b> 0165 580 410	<b>South East Europe</b> +43 (1) 982 3826	<b>UK</b> 0800 515313	

MSDS information may be continued on back of page.

## PERSONAL PROTECTION

Caution: Handle all products prepared from human sources as if they were capable of transmitting infectious agents. Avoid accidental inoculation, intravenous injection or contact with open wounds. Wash thoroughly after handling. Observe universal precautions when working with this product. Products from human sources have been tested and found negative for Hepatitis B and HIV viruses. Wear appropriate personal protective equipment and clothing including lab coat, safety goggles, gloves and NIOSH-approved respirator. A qualified industrial hygienist should evaluate the need for respiratory protection. Use respiratory protection approved by NIOSH (or equivalent) and appropriate to the hazard. Avoid contact of material with skin or eyes. Mechanical ventilation or local exhaust as needed to control exposure to dust, vapors or mists. Access to a safety shower and eye-wash.

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White, lyophilized powder  
Vapor Pressure: No data available  
Solubility (Water): Soluble  
Percent Volatile: No data available  
Chemical formula: No data available

Boiling Point: No data available  
Vapor Density: No data available  
Specific Gravity: No data available  
Evaporation Rate: No data available  
Melting Point: No data available

## STABILITY AND REACTIVITY

Product is stable under normal conditions. Incompatible with strong oxidizing agents. Hazardous decomposition products may include toxic fumes and gases. Hazardous polymerization will not occur.

## TOXICOLOGICAL INFORMATION

### EFFECTS OF OVEREXPOSURE:

EYES: No toxicity data found, but contact may cause irritation and slight corneal injury.

SKIN: No toxicity data found, but contact may cause irritation and/or allergic reaction.

INHALATION: No toxicity data found, but excessive dust may cause irritation if inhaled.

INGESTION: May cause irritation of the digestive tract.

### ADDITIONAL INFORMATION:

Mutation and reproductive effects data under RTECS MD6953000.

Caution: Handle all products prepared from human sources as if they were capable of transmitting infectious agents. Avoid accidental inoculation, intravenous injection or contact with open wounds. Wash thoroughly after handling. Observe universal precautions when working with this product. Products from human sources have been tested and found negative for Hepatitis B and HIV viruses. Signs and symptoms of overexposure include: headaches, irritability, restlessness, depression, tiredness, edema, precocious puberty and gynecomastia. Hypersensitivity reactions both localized and systemic in nature, including erythema, urticaria, rash, angioedema, dyspnea and shortness of breath, have been reported. Adverse reproductive effects have been reported in humans.

Reproductive: Fertility - pre-implantation mortality (e.g. reduction in number of implants per female; total number of implants per corpora lutea)(1978). Post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants)(1970).

Paternal Effects - spermatogenesis (incl. genetic material, sperm morphology, motility, and count)(1960). Testes, epididymis, sperm duct (1959).

Effects on Embryo or Fetus - extra-embryonic structures (e.g., placenta, umbilical cord) (1947). Fetal death (1917).

Maternal Effects - ovaries, fallopian tubes, uterus, cervix, vagina (1960). Menstrual cycle changes or disorders (1974).

Effects on Newborn - growth statistics (e.g.%, reduced weight gain) (1949).

Definitions: RTECS = Registry of Toxic Effects of Chemical Substances.

## ECOLOGICAL INFORMATION

No information available.

## DISPOSAL CONSIDERATIONS

Dispose of material in accordance with applicable local, state, and federal regulations.

## TRANSPORTATION INFORMATION

US DOT / IATA: No information available.

## REGULATORY INFORMATION

RCRA - No applicable information.

SARA 302 - This material does not have an RQ or a TPO.

SARA 313 - This material is not reportable under Section 313.

EPA TSCA Section 8(b) - This chemical substance is **NOT** specifically listed on the EPA TSCA Inventory. It is supplied for research and development use only, by or directly under the supervision of technically qualified individuals. **NOT** for manufacturing or commercial purposes.

Exposure Limits - Not established.

California Proposition 65 - No applicable information.