

Material Safety Data Sheet

Product name: HCT Extended Human RBC Hematology Controls and Calibrators

Printing date 9/29/2009

Revised Date 07/12/2006

1. Company Identification:

Manufacturer/Supplier:

R&D Systems, Inc.

614 McKinley Place N.E.

Minneapolis, MN 55413

Tel.: (612) 379-2956/(800)-428-4246. In Europe call +33 2 99 35 27 15

Information department: Hematology Technical Service

Emergency information:

In case of a chemical emergency, spill, fire, or exposure, call R&D Systems at (612) 379-2956/(800)-428-4246. In Europe call +33 2 99 35 27 15

2. Composition/Data on components:

Chemical Characterization: Mixture of chemicals and biologicals for in vitro diagnostic use.

Hazardous Ingredients:

To the best of our knowledge, this product contains no hazardous ingredients as defined by OSHA Criteria

This product does contain Human Blood.

3. Hazard identification

Hazard description: POTENTIALLY BIOHAZARDOUS MATERIAL. For *In vitro* Diagnostic use. Each human donor/unit used in the preparation of this product has been tested by a FDA licensed method/test and found to be negative or non-reactive for the presence of HBsAg, Anti-HCV, NAT testing for HIV-1, HCV (RNA) and HIV-1/2. Each unit is also negative by a serological test for Syphilis (RPR or STS). Because no test method can offer complete assurance that infectious agents are absent, this material should be handled as potentially infectious. When handling or disposing of vials follow precautions for patient specimens as specified in the OSHA Bloodborne Pathogen Rule (29 CFR Part 1910, 1030) or other equivalent biosafety procedures.

NFPA ratings (scale 0-4)

Health = 0

Fire = 0

Reactivity = 0

Classification: The classification was made according to OSHA 29 CFR 1910.1200 and 1910.1030 and applicable European Community Directives.

Hazard Overview:

Health: Minimal risk if used as directed.

Fire: Noncombustable.

Reactivity: Minimal risk.

Special Hazards: This product contains human sourced and/or potentially infectious components.

Carcinogenicity Information:

OSHA (Occupational Safety and Health Administration): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

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4. First aid measures

After Inhalation: Remove from source of exposure. If irritation or signs of toxicity occur, seek medical attention.

After Skin Contact: Wash affected area with soap and water. Seek medical attention and appropriate follow-up.

After Eye Contact: Flush with copious amounts of water. Seek medical attention and appropriate follow-up.

After Ingestion: Rinse mouth with water. Seek medical attention and appropriate follow-up.

Information for medical personnel: Show this MSDS.

The following symptoms may occur: None are expected.

Medical conditions aggravated by exposure: None are expected.

5. Fire fighting measures

Suitable extinguishing agents: Use Dry Chemical or Carbon Dioxide, water spray or regular foam.

Protective equipment: No special measures are required.

6. Accidental release measures

Person-related safety precautions: If material is released or spilled, minimize the exposure by using appropriate personal protection equipment as list in Section 8. If possible, stop leak. Keep unprotected personnel away.

Measures for environmental protection: Wipe up spill with absorbent materials.

Measures for cleaning/collecting: Wipe up with liquid-binding material using safe laboratory procedures in compliance with regulations.

Additional information:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal recommendations.

7. Handling and storage

Handling:

Information for safe handling: Handle as a potential infectious material.

Information about protection against explosions and fires: No special measures required.

Storage: 2 - 8° C, refer to Package Insert for additional information on storage (PLATELET-TROL II is stored at Room Temperature).

Information about storage in one common storage facility: Store in original packaging.

Further information about storage conditions: Refer to Product Insert for specific details

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8. Exposure controls and personal protection

Components with Occupational Exposure Limits: This product does not contain any hazardous materials with occupational limits established by OSHA, ACGIH, or NIOSH.

Additional information about design of technical systems: No further data; see item 7.

Components with limit values that require monitoring at the workplace: Not required.

Additional information: The lists that were valid during the creation were used as basis. Product should be handled in the same manner as human blood samples.

Personal Protective Information:

General protective and hygienic measures: Always maintain good housekeeping. Do not eat, drink, or store food and beverages in areas where chemicals are used. Immediately remove all soiled or contaminated clothing. Wash hands before breaks and at the end of work.

Breathing equipment: Not required

Protection of hands: Chemical resistant gloves

Eye protection: Safety glasses

Body protection: Protective work clothing (Laboratory Coat).

9. Physical and chemical properties

Form: Liquid

Color: Per Product Specifications in the Product Insert.

Odor: Odorless

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

Flash point: N/A

Danger of explosion: N/A

Vapor pressure: N/A

Density: N/A

Solubility/Miscibility with water: Fully miscible.

pH-value: N/A

Organic Solvents: N/A

Auto Flammability: N/A

Explosive properties: N/A

Oxidizing properties: N/A

Partition Coefficient: N/A

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10 Stability and reactivity

Hazardous Decomposition Products: No decomposition if used according to specifications.

Materials to be avoided: N/A

Dangerous reactions No dangerous reactions known

Dangerous products of decomposition: No dangerous decomposition products known

Conditions to avoid: Heat.

Stability: Product is stable.

Possibility of a hazardous exothermic reaction: N/A

-Safety Significance with change in physical appearance of the substance/ preparation: N/A

-Degradation to unstable products: N/A

11 Toxicological Information

LD50/LC50 values for hazardous ingredients per OSHA criteria:

Ingredients (100% pure substance/s): N/A

Primary toxicological effects of the final product:

- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect.
- **Target organs/systems:** Unknown

12. Ecological information

Ecotoxicological effects:

Other information:

The ecological effects have not been thoroughly investigated, but currently none have been identified.

13 Disposal considerations

Recommendation for disposal of unused product: Dispose in accordance with all applicable federal, state, EU and local environmental regulations relating to waste.

Recommendation for disposal of packaging: Dispose in accordance with all applicable federal, state, EU and local environmental regulations relating to waste.

Recommended cleansing agent: Water, if necessary with detergents.

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14 Transport information

DOT regulations:

· **Hazard class:** Not restricted for transportation.

Land transport ADR/RID (cross-border)

· **ADR/RID class:** Not restricted for transportation.

Maritime transport IMDG:

· **IMDG Class:** Not restricted for transportation.

· **Marine pollutant:** Not restricted for transportation.

Air transport ICAO-TI and IATA-DGR:

- **ICAO/IATA Class:** Not restricted for transportation.

Precautions relating to product's transport/conveyance: N/A

15 Regulations

· **Product related hazard informations:**

The substance is not subject to classification according to the sources of literature known to us.

Observe the general safety regulations when handling chemicals

The product is not subject to identification regulations pertaining to regulations on hazardous materials.

· **Safety phrases:**

13 Keep away from food, drink and animal feed stuffs.

28 After contact with skin, wash immediately with plenty of soap and water

36 Wear suitable protective clothing

37/39 Wear suitable gloves and eye/face protection.

46 If swallowed seek medical advice immediately and show this container or label.

56 Dispose of this material and its container at hazardous or special waste collection point

· **National regulations**

· **Additional classification according to Decree on Hazardous Materials:**

CERCLA: This product does not contain chemicals having a Reportable Quantity (RQ).

SARA 311/312: May be subject to reporting.

313: Not subject to reporting.

TSCA: This product is exempt under TCSA.

· **Classification according to VbF:** Void

· **Water hazard class:** Generally not hazardous for water.

-**Classification:** Corrosive, Irritant and Harmful.

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16 Other information

The information on this Material Safety Data Sheet is based on the following references:

- Directive 1999/45/EC Of The European Parliament And Of The Council of 31 May, 1999
- U.S. Occupational Safety and Health Administration Code of Federal Regulations, Title 29, Part 1910.

To the best of our knowledge, the information contained herein is accurate. However, R&D Systems, Inc. does not assume any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

-Recommended uses and restrictions: Follow instructions provided with product.

· **Department issuing MSDS:** RA/QA

· **Contact:** RA/QA

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