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**CHEMICAL PRODUCT AND COMPANY IDENTIFICATION - SECTION 1**

**Company Identification:** Becton Dickinson VACUTAINER® Systems  
A Division of Becton Dickinson and Company  
1 Becton Drive  
Franklin Lakes, NJ 07417-1885

**FOR CHEMICAL EMERGENCY, SPILL LEAK, FIRE, EXPOSURE, OR ACCIDENT:**  
In the continental U.S., call Chemtrec: 1-800-424-9300  
For additional non-emergency information, call: 1-800-631-0174

**Product Name:** UNOPETTE® Brand Test for WBC, Manual Method

**Reorder Number** 365804, 365853, 365856

**Synonym(s):** N/A

**Chemical Formula:** N/A

**Chemical Family:** N/A

**COMPOSITION/ INFORMATION ON INGREDIENTS - SECTION 2**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Exposure Limit</b>	<b>Weight</b>
Acetic Acid, Glacia		64-19-7 25 mg/m *	13.6 - 56.628 mg

\* Time Weighted Average (TWA) Exposure Limit recommended by OSHA, NIOSH and ACGIH

**HEALTH EFFECTS SUMMARY - SECTION 3**

The following information summarizes human experience and results of scientific investigations reviewed by health professionals for hazard evaluation of and development of Precautionary Measures and Occupational Control Procedures recommended in this document.

**Primary Route of Entry:** Dermal contact, eye contact, inhalation, or ingestion.

**Medical Conditions Which Might be Aggravated:** None identified.

**Acute Exposure Effects:**

- 1. Skin:** May cause severe irritation or severe burns.
- 2. Eyes:** May cause severe irritation, severe burns, or permanent damage.

- 3. Inhalation:** May cause irritation to the upper respiratory tract. High concentrations may cause bronchopneumonia or edema.
- 4. Ingestion:** May cause irritation of the gastro-intestinal tract, vomiting of blood, and/or kidney problems.

**Repeated Exposure Effects:**

- 1. Skin:** Thickening or darkening of pigmentation in the skin.
- 2. Inhalation:** Chronic irritation of the nose, throat, or airways.
- 3. Ingestion:** May cause erosion of tooth enamel.

**EMERGENCY AND FIRST AID PROCEDURES - SECTION 4**

**Skin:** Rinse under water for at least 20 minutes. Seek medical attention immediately.

**Eyes:** Immediately flush with water for at least 20 minutes. Seek medical attention immediately.

**Inhalation:** Remove to fresh air. If victim is not breathing, administer artificial respiration. Seek medical attention immediately.

**Ingestion:** DO NOT INDUCE VOMITING. Have victim drink 12 oz. of water. Seek medical attention immediately. If concentrated, quickly move to a medical facility.

**FIRE PROTECTION INFORMATION - SECTION 5**

**Flash Point:** 39 C **Method:** Closed cup.

**Autoignition Temperature:** 463 C **Method:** N/A

**Combustibility:** N/A **Method:** N/A

**Extinguishing Media:** Water spray, dry chemical, alcohol foam, or carbon dioxide.

**Special Fire Fighting Procedures:** Firefighters should wear protective gear. Use water spray to keep containers cool.

**ACCIDENTAL RELEASE MEASURES - SECTION 6**

Avoid overexposure. Wear adequate personal protective equipment. Remove all ignition sources. Contain spill with absorbent material which does not react with spilled material. Place in suitable, covered, labeled container for disposal. Flush area with water.

**HANDLING AND STORAGE PROCEDURES - SECTION 7**

Keep containers closed when not in use. Store containers away from ignition sources, oxidizing agents, and combustible materials. Store in well-ventilated area at temperatures above the freezing point (16 degrees C). Store in glass or polyethylene containers.

**OCCUPATIONAL CONTROL PROCEDURES - SECTION 8**

**Eye Protection:** Use chemical safety goggles.

**Skin Protection:** Use coveralls, long-sleeved shirt, and impervious gloves.

**Respiratory Protection:** Use a NIOSH or MSHA approved respirators with full-facepiece operated in positive pressure.

**Ventilation:** Use local exhaust ventilation systems.

**Airborne Exposure Limits:** None

**Other Protective Equipment:** Eye bath, safety shower, aprons.

**PHYSICAL PROPERTIES - SECTION 9**

<b>Appearance:</b>	Colorless liquid.	<b>Odor:</b>	Strong vinegar smell.
<b>Vapor Pressure (@20°C mm Hg):</b>	11.4 mm Hg	<b>Viscosity @ 40°C (centistokes):</b>	N/A
<b>Specific Gravity @ 25/25°C:</b>	1.05	<b>Solubility in Water (wt. %):</b>	100%
<b>Solubility in Other Solvents:</b>	N/A		

**Note:** These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

**REACTIVITY DATA - SECTION 10**

**Reactivity:** Stable.

**Incompatibility:** May react violently with most metals (except aluminum), most bases, most amines, and strong oxidizers. May explode with perchloric acid.

**Hazardous Decomposition Products:** None identified.

**Hazardous Polymerization:** Will not occur.

**TOXICOLOGY INFORMATION - SECTION 11**

**Acute Eye Effects:** May cause permanent damage. **Acute Skin Effects:** May cause severe burns.

**Inhalation Toxicity:** May cause edema or bronchopneumonia.

**Ingestion Toxicity:** May cause gastro-intestinal or kidney problems.

**Exposure Limits:** Not established.

**Teratogenicity:** Not established.

**Reproductive Toxicity:** Not established.

**Mutagenicity:** Not established.

**Synergistic Products:** Not established.

**Sensitization to Product:** Not established.

**Carcinogenicity:** Contains more than 0.1% by weight of a material listed as a potential carcinogen by:

**NTP** No                      **IARC** No                      **OSHA** No

**Other Chronic Effects:** None identified.

**Signs and Symptoms of Overexposure:** Dermal, eye, or respiratory irritation.

**Medical Conditions Generally Aggravated by Overexposure:** None identified.

**ECOLOGICAL INFORMATION - SECTION 12**

No data is available on the adverse effects of this material on the environment. Neither COD nor BOD data are available.

**DISPOSAL CONSIDERATIONS - SECTION 13**

Disposal should be done in accordance with local, state and federal regulations.

**TRANSPORTATION INFORMATION - SECTION 14**

**D.O.T.**

**Proper Shipping Name:** Not regulated for transportation

**Hazard Class/I.D. No./Packing Group:** -

**Label:** -

**I.M.O.**

**Proper Shipping Name:** Not regulated for transportation

**Hazard Class/I.D. No./Packing Group:**-

**Label:** -

**I.C.A.O./I.A.T.A.**

**Proper Shipping Name:** Not regulated for transportation

**Hazard Class/I.D. No./Packing Group:** -

**Label:** -

**REGULATORY INFORMATION - SECTION 15**

**TSCA Inventory:** None

**California Proposition 65 – Chemicals know to cause Cancer:** Substance not listed

**California Proposition 65 – Chemicals know to cause reproductive toxicity:** Substance not listed

**Reportable Quantity (RQ) Under US EPA CERCLA Regulations:** None

**SARA Hazard Notification Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):** None

**Section 313 Toxic Chemical(s):** None

**Hazardous Chemical(s) Under OSHA Hazard Communication Standard:** None

**OTHER INFORMATION - SECTION 16**

**Label Information:**

**Caution**

Corrosive. Causes severe irritation. Keep away from metals, bases, amines, strong oxidizers, and perchloric acid. Do not get in eyes, on skin, or on clothing. Keep in tightly closed container. Wash thoroughly after handling.

**Hazard Ratings:**

**NFPA**

Fire -- 2  
Health -- 2  
Reactivity -- 0  
Specific Hazard -- 0

**HMIS**

Health -- 2  
Flammability -- 2  
Reactivity -- 0

**Information Contact:** Becton Dickinson VACUTAINER® Systems  
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1 Becton Drive  
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