

Med Assist

**BECTON
DICKINSON**

Becton Dickinson and Company

Material Safety

Data Sheet

SECTION 1 - IDENTITY

NAME Becton Dickinson VACUTAINER Systems		ADDRESS Stanley Street, E. Rutherford, NJ 07073	
TELEPHONE NUMBER (201) 460-2615	FOR ADDITIONAL INFORMATION CONTACT: Fu-chung Lin, Ph.D.		DATE PREPARED November 25, 1987
COMMON NAME (USED ON LABEL) UNOPETTE Brand Test 5836, 5838, 5850, 5851		CHEMICAL FAMILY Saline Diluent	
CHEMICAL NAME Does not apply		FORMULA	
TRADE NAME & SYNONYMS UNOPETTE, trademark of Becton Dickinson and Company		Does not apply	

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS #	% (wt)	TLV	PEL
Proprietary Mixture The ingredients of this mixture do not exist in concentrations greater than those described in 29 CFR 1910.1200(g)(2)(i)(c)(1)&(2) and listed in sources identified in 29 CFR 1910.1200(d)(3)&(4)				

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).
TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1986-87.

SECTION 3 - PHYSICAL DATA

BOILING POINT Greater than 100 degrees C	SPECIFIC GRAVITY (H ₂ O=1) Not determined	VAPOR PRESSURE (mm Hg) Not determined
PERCENT VOLATILE BY VOLUME (%) Not determined	VAPOR DENSITY (AIR=1) Not determined	EVAPORATION RATE (_____=1) Not determined
SOLUBILITY IN WATER Soluble	REACTIVITY IN WATER Not reactive	
APPEARANCE AND ODOR		

Clear, colorless liquid; no characteristic odor, if any

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT Not determined	FLAMMABLE LIMITS IN AIR (% by VOLUME) LOWER: Not determined UPPER: Not determined	
EXTINGUISHING MEDIA Use extinguishing media appropriate for surrounding fire	AUTO IGNITION TEMPERATURE Not determined	
UNUSUAL FIRE AND EXPLOSION HAZARDS Sodium azide under acid conditions may be explosive, particularly in plumbing, always flush plumbing with large amounts of water		

SPECIAL FIRE FIGHTING PROCEDURES

A self-contained breathing apparatus with a full facepiece is recommended for firefighters

SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE

Eyes, skin, ingestion

SIGNS AND SYMPTOMS OF EXPOSURE Irritating or corrosive action on skin/eyes with contact

(1) ACUTE OVEREXPOSURE -

(2) CHRONIC OVEREXPOSURE- Elevated blood pressure in sodium-sensitive individuals

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Sodium chloride may cause elevation of blood pressure in sodium-sensitive individuals

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

None

NTP

☐ Yes☒ No

IARC

☐ Yes☒ No

OSHA

☐ Yes☒ No

OTHER EXPOSURE LIMITS The TLV for Sodium Azide is a ceiling limit

EMERGENCY & FIRST AID PROCEDURES EYE and SKIN CONTACT: Wash with large amounts of water; get medical attention.

INGESTION: If victim is conscious, remove ingested poison immediately by gastric lavage using activated charcoal. Give O₂ if respiration is shallow or if anoxia is present.

SECTION 6 - REACTIVITY DATA

STABILITY

Unstable ☒ Stable ☐

CONDITIONS TO AVOID (Benzoyl chloride + KOH), Br₂, CS₂, Cr(OCl)₂, Cu, Pb, HNO₃, (CH₃)₂SO₄

INCOMPATIBILITY (MATERIALS TO AVOID)

Sodium Azide is not explosive, but when in contact with metal compds, it forms highly explosive metal azides. They are sensitive to impact and friction, particularly in plumbing, always flush with large amounts of water.

HAZARDOUS DECOMPOSITION PRODUCTS

Sodium Azide under acid conditions forms hydrazoic acid. This acid is highly explosive, occurring either spontaneously or on contact with flames, sparks or hot surfaces.

HAZARDOUS POLYMERIZATION

May Occur ☐ Will Not Occur ☒

CONDITIONS TO AVOID

None determined

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED

For small spills, absorb with sand or other absorbent and place into containers for later destruction and disposal. Dispose of wastes in accordance with local, state and Federal codes.

WASTE DISPOSAL METHOD

Aqueous solutions of Sodium Azide must not be run to waste without first destroying the azide. For each gram of Sodium Azide to be destroyed add 10 ml of sodium nitrate soln (10%) then 10 ml of acetic acid (15%), stir, when reaction is complete wash down drain with copious water flow.

SECTION 8 - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Respiratory protection is not required under normal and intended uses.

VENTILATION

General room ventilation

PROTECTIVE GLOVES

Not required, but may be used electively

EYE PROTECTION Should be used when the potential of eye contact is present

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Emergency eye bath is recommended where there is a possibility of eye contact with the liquid

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING

Store and handle according to packaged instructions. Be prepared before the need arises to destroy the Sodium Azide portion of the spilled or spent solution.

OTHER PRECAUTIONS

Remove contaminated clothing; wash thoroughly after contact with liquid