

BECTON DICKINSON VACUTAINER SYSTEMS -- 6470, EVACUATED BLOOD COLLECTION TUBES --  
6630-01-061-0611

===== Product Identification =====

Product ID:6470, EVACUATED BLOOD COLLECTION TUBES

MSDS Date:11/13/1988

FSC:6630

NIIN:01-061-0611

MSDS Number: BNTPR

=== Responsible Party ===

Company Name:BECTON DICKINSON VACUTAINER SYSTEMS

Address:STANLEY STREET

City:E RUTHERFORD

State:NJ

ZIP:07073

Country:US

Info

Phone Num:201-460-2615

Emergency Phone Num:201-460-2615

CAGE:06531

=== Contractor Identification ===

Company Name:BECTON DICKINSON AND CO, BECTON DICKINSON DIV.

Address:1 BECTON DR

City:FRANKLIN LAKES

State:NJ

ZIP:07417-1884

Country:US

Phone:201-847-4000, 800-333-4831

CAGE:06531

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM FLUORIDE (SARA III)

CAS:7681-49-4

RTECS #:WB0350000

Fraction by Wt: 44.4%

OSHA PEL:2.5 MG/M3 (F)

ACGIH TLV:2.5 MG/M3 (F)

EPA Rpt

Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:OXALIC ACID, DIPOTASSIUM SALT; (POTASSIUM OXALATE)  
CAS:583-52-8  
RTECS #:RO2885000  
Fraction by Wt: 55.6%

===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:INHAL:IRRITATION OF MUCOUS  
MEMBRANES. INGEST:IRRITATION & BURNING SENSATION  
OF LIPS, MOUTH &  
THROAT, PAIN IN SWALLOWING, INTENSE THIRST. SKIN:BURNING SENSATION  
& INFLAMMATION, BLISTERS, PROFOUND DAMAGE TO TISSUES. EYES:BURNING  
SENSATION, WATERING OF EYES, CONJUNCTIVITIS, ULCERATION, POSSIBLE  
(EFTS OF OVEREXP)  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:HLTH HAZ:DAMAGE TO CORNEA & LOSS OF VISION.  
CHRONIC:FIXATION OF CALCIUM BY FLUORINE, NAUSEA, VOMITING,  
DIARRHEA, ABDOMINAL BURNING & CRAMP-LIKE PAINS, CAN CAUSE SEVERE  
B  
ONE CHANGES, WEIGHT LOSS, DENTA L DEFECTS, MAY CAUSE RENAL TUBULE  
OBSTRUCTION & KIDNEY DISTURBANCES.  
Medical Cond Aggravated by Exposure:MAY IMPAIR GROWTH IN YOUNG WORKERS,  
DISEASES OF BONE OR LIGAMENTS, OR DISEASES OF KIDNEY OR LUNG,  
PRE-EXISTING SKIN DISEASES.

===== First Aid Measures =====

First Aid:SKIN:REMOVE VICTIM FROM CONTAM AREA & REMOVE CONTAM CLTHG,  
FIRST AIDE'S SHLD TAKE CARE NOT TO BE CONTAM, WASH W/H\*20 FOR 15  
MINS/LONGER,  
APPLY CALCIUM GLUCONATE GEL 2.5% ON DRIED AFFECTED  
SKIN. CALL M D. INHAL:IF VICTIM COUGHS A GREAT DEAL MAKE HIM INHALE  
VAPS OF EHTYL ALCOHOL/VAPS OF ETHER THEN GIVE O\*2, BLOW NOSE IF  
IRRITATED. INGEST:RINSE MOUTH IF MATL ENTERED, DO NOT LET VICTIM  
VOMIT. (SUPDAT)

===== Fire Fighting Measures =====

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING  
FIRE.  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL

PROTECTIVE EQUIPMENT .  
Unusual Fire/Explosion Hazard:MAY EMIT HIGHLY TOXIC FUMES.

===== Accidental Release Measures =====

Spill Release Procedures:CAREFULLY SWEEP UP MATL IF DRY, WEAR  
PROTECTIVE EQUIPMENT TO PREVENT INHALING, SKIN OR EYE CONTACT; IF  
LIQUID, CAREFULLY DILUTE W/WATER & ABSORB/FLUSH TO DRAIN W/COPIOUS  
AMTS OF WATER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handl  
ing and Storage Precautions:STORE & HANDLE ACCORDING TO PACKAGED  
INSTRUCTIONS.  
Other Precautions:BE PREPARED W/PROPER EMERGENCY MEDICAL SUPPLIES IN  
CASE OF AN ACCIDENT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NORMALLY NOT REQUIRED, USE NIOSH/MSHA APPROVED  
DUST RESPIRATOR FOR DRY SPILLS.  
Ventilation:GENERAL ROOM VENTILATION.  
Protective Gloves:IMPERVIOUS GLOVES .  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:EM  
ERGENCY EYE BATH IS RECOMMENDED WHERE  
THERE IS POSSIBILITY OF EYE CONTACT. DELUGE SHOWER .  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
FIRST AID PROC:GIVE LG DOSES OF EFFERVESCENT CALCIUM GLUCONATE TABLETS  
(6) DILUTED IN COPIOUS AMTS OF WATER/MILK. EYE:WASH W/WATER FOR 15  
MINS/LONGER. IF GREAT PAIN PERSISTS AFTER WASHING PUT SEVERAL  
DROPS OF STERILE CALCIUM GLUCONATE 10% SOLN (SANDOZ OR EQUIV), IF  
PAIN PERSISTS REPEAT WASHING.

=====  
===== Physical/Chemical Properties =====

Solubility in Water:SOLUBLE  
Appearance and Odor:WHITE POWDER OR BALLS OR CLEAR, LUSTROUS CRYSTALS;  
NO CHARACTERISTIC ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
ACID OR ACID VAPORS, FURFURYL ALCOHOL, AG, NACLO\*3, NAOCL.  
Stability Condition to Avoid:NOT DETERMINED.  
Hazardous Decomposition Products:HYDROGEN FLUORIDE, FLUORINE, CO, CO\*2.

=====

### === Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF WASTES I/A/W FEDERAL, STATE & LOCAL  
CODES, NORMALLY SMALL VOLUMES CAN BE DISPOSED INTO A SEWER SYSTEM.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for  
its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.