```
MATERIAL SAFETY DATA SHEET
ID #: 19-1
03/28/97
CHEMICAL NAME & SYNONYMS: AMMONIA TEST SOLUTION #1
CAS NO.(S): 7732-18-5
USED IN LAB-AIDS KITS #('S): 19
FORMULA: MIXTURE/SOLUTION
FORMULA WEIGHT (F.W.): MIXTURE
-----PHYSICAL DATA -----
(DENSITY, SOLUBILITY, ETC.)
MIXTURE CONSISTS OF:
POTASSIUM SODIUM TARTRATE (ROCHELLE SALT) AND WATER
APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID
-----INCOMPATABILITY -----
(MATERIALS TO AVOID)
N/A
-----DOT CLASS -----
NOT REGULATED
----REACTIVITY -----
STABLE
-----CONDITIONS TO AVOID -----
(IF ANY)
N/A
-----HEALTH HAZARDS -----
(IF ANY)
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LAB-AIDS(R*) INC.

MATERIAL CONSIDERED NON-HAZARDOUS ALL CHARACTERISTICS OF THIS SUBSTANCE MAY NOT BE INVESTIGATED -----TOLERANCE LIMIT VALUE (TLV) -----(IF ESTABLISHED) NONE -----FIRE HAZARDS -----(IF ANY) NON FLAMMABLE -----SPILLS AND LEAKS -----ABSORB W/SAND OR VERMICULITE AND PLACE IN A SUITABLE CONTAINER -----DISPOSAL METHOD -----PLACE CONTAINER IN TRASH -----SPECIAL PRECAUTIONS -----(IF ANY) N/A -----FIRST AID -----(IF SUBSTANCE DANGEROUS) EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN N/A - NOT APPLICABLE 17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133 LAB-AIDS(R*) INC. MATERIAL SAFETY DATA SHEET

ID#: 19-2

03/28/97

CAS NO.(S): 7732-18-5; 1310-73-2; 7747-29-0; 7681-11-0
USED IN LAB-AIDS KITS #('S): 19
FORMULA: MIXTURE/SOLUTION
FORMULA WEIGHT (F.W.): MIXTURE
PHYSICAL DATA
(DENSITY, SOLUBILITY, ETC.)
MIXTURE CONSISTS OF: MERCURIC IODIDE, POTASSIUM IODIDE, SODIUM HYDROXIDE AND WATER
APPEARANCE AND ODOR: SLIGHTLY YELLOW LIQUID
INCOMPATABILITY
(MATERIALS TO AVOID)
N/A
DOT CLASS
NOT REGULATED
REACTIVITY
STABLE
CONDITIONS TO AVOID
(IF ANY)
AVIOD BODY CONTACT
HEALTH HAZARDS
(IF ANY)
HIGHLY TOXIC BY INGESTION AND SKIN ABSORPTION
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)

CHEMICAL NAME & SYNONYMS: AMMONIA TEST SOLUTION #2

```
NONE
-----FIRE HAZARDS -----
(IF ANY)
NON FLAMMABLE
-----SPILLS AND LEAKS -----
ABSORB W/SAND OR VERMICULITE AND PLACE IN A SUITABLE CONTAINER
-----DISPOSAL METHOD -----
PLACE CONTAINER IN A LANDFILL SITE
-----SPECIAL PRECAUTIONS -----
(IF ANY)
USE GLOVES AND CHEMICAL SPLASH SAFETY GOGGLES
-----FIRST AID -----
(IF SUBSTANCE DANGEROUS)
EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER
INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN.
N/A - NOT APPLICABLE
17 COLT COURT
RONKONKOMA, NY 11779
(631) 737-1133
LAB-AIDS(R*) INC.
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ID #: 19-3

03/28/97

CHEMICAL NAME & SYNONYMS: CHLORINE TEST SOLUTION

CAS NO.(S): 7732-18-5; 7647-01-0; 0612-82-8

USED IN LAB-AIDS KITS #('S): 19

MATERIAL SAFETY DATA SHEET

FORMULA: MIXTURE

FORMULA WEIGHT (F.W.): MIXTURE
PHYSICAL DATA
(DENSITY, SOLUBILITY, ETC.)
MIXTURE CONSISTS OF: ORTHOTOLIDINE DIHYDROCHLORIDE, HYDROCHLORIC ACID AND WATER
APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID
INCOMPATABILITY
(MATERIALS TO AVOID)
STRONG OXIDANTS
DOT CLASS
NOT REGULATED
REACTIVITY
STABLE
STABLECONDITIONS TO AVOID
CONDITIONS TO AVOID
CONDITIONS TO AVOID (IF ANY)
CONDITIONS TO AVOID (IF ANY) AVOID BODY CONTACT
CONDITIONS TO AVOID (IF ANY) AVOID BODY CONTACTHEALTH HAZARDS
CONDITIONS TO AVOID (IF ANY) AVOID BODY CONTACT HEALTH HAZARDS (IF ANY)
CONDITIONS TO AVOID (IF ANY) AVOID BODY CONTACT HEALTH HAZARDS (IF ANY) MAY BE IRRITATING TO BODY TISSUE
CONDITIONS TO AVOID (IF ANY) AVOID BODY CONTACT HEALTH HAZARDS (IF ANY) MAY BE IRRITATING TO BODY TISSUE TOLERANCE LIMIT VALUE (TLV)
CONDITIONS TO AVOID (IF ANY) AVOID BODY CONTACT HEALTH HAZARDS (IF ANY) MAY BE IRRITATING TO BODY TISSUE TOLERANCE LIMIT VALUE (TLV) (IF ESTABLISHED)

NON FLAMMABLE

-----SPILLS AND LEAKS -----ABSORB W/SAND OR VERMICULITE AND PLACE IN A SUITABLE CONTAINER -----DISPOSAL METHOD -----ADD WATER, STIR. SLOWLY ADD 1M SODIUM CARBONATE SOLUTION AND STIR. WHEN GAS EVOLUTION STOPS, FLUSH MATERIAL DOWN DRAIN. -----SPECIAL PRECAUTIONS -----(IF ANY) USE GLOVES AND CHEMICAL SPLASH SAFETY GOGGLES -----FIRST AID -----(IF SUBSTANCE DANGEROUS) EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN RESPIRATORY: TRANSPORT TO FRESH AIR N/A - NOT APPLICABLE 17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133 LAB-AIDS(R*) INC. MATERIAL SAFETY DATA SHEET ID #: 19-4 03/28/97 CHEMICAL NAME & SYNONYMS: CHROMATE INDICATOR POWDER CAS NO.(S): 7647-14-5; 140-22-7; 121-57-3 USED IN LAB-AIDS KITS #('S): 19 FORMULA: MIXTURE FORMULA WEIGHT (F.W.): MIXTURE -----PHYSICAL DATA -----

(DENSITY, SOLUBILITY, ETC.)

MIXTURE CONSISTS OF: S-DIPHENYLCARBAZIDE, SULFANIC ACID AND SODIUM CHLORIDE
APPEARANCE AND ODOR: WHITE CRYSTALINE POWDER
INCOMPATABILITY
(MATERIALS TO AVOID)
N/A
DOT CLASS
NOT REGULATED
REACTIVITY
STABLE
CONDITIONS TO AVOID
(IF ANY)
N/A
HEALTH HAZARDS
(IF ANY)
MATERIAL CONSIDERED NON-HAZARDOUS
ALL CHARACTERISTICS OF THIS SUBSTANCE MAY NOT BE INVESTIGATED
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE
SPILLS AND LEAKS
GATHER UP MATERIAL IN A PILE AND PLACE IN A SUITABLE CONTAINER

-----DISPOSAL METHOD -----SEAL AND BURY IN A LANDFILL SITE. -----SPECIAL PRECAUTIONS -----(IF ANY) N/A -----FIRST AID -----(IF SUBSTANCE DANGEROUS) EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN FOR EYES: WASH CONTINUOUSLY FOR 15 MIN., SEE PHYSICIAN N/A - NOT APPLICABLE 17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133 LAB-AIDS(R*) INC. MATERIAL SAFETY DATA SHEET ID #: 19-5 03/28/97 CHEMICAL NAME & SYNONYMS: COPPER TEST SOLUTION NO. 1 CAS NO.(S): 7732-18-5; 7778-77-0 USED IN LAB-AIDS KITS #('S): 19 FORMULA: MIXTURE FORMULA WEIGHT (F.W.): MIXTURE -----PHYSICAL DATA -----(DENSITY, SOLUBILITY, ETC.) MIXTURE CONSISTS OF: POTASSIUM HYDROGEN PHTHALATE AND WATER

APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID

INCOMPATIBILITY
(MATERIALS TO AVOID)
N/A
DOT CLASS
NOT REGULATED
NOT REGULATED
REACTIVITY
STABLE
CONDITIONS TO AVOID
(IF ANY)
NONE, EXCEPT TO PRACTICE PRUDENT LABORATORY PROCEDURES
HEALTH HAZARDS
(IF ANY)
ALL CHARACTERISTICS OF THIS SUBSTANCE MAY NOT BE INVESTIGATED
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE
CDILLG AND LEAVE
SPILLS AND LEAKS
ABSORB W/SAND OR VERMICULITE
DISPOSAL METHOD
FLUSH IN DRAIN WITH PLENTY OF WATER
SPECIAL PRECAUTIONS
INDUIDITOID

(IF ANY)

USE GLOVES AND CHEMICAL SPLASH SAFETY GOGGLES

-----FIRST AID -----

(IF SUBSTANCE DANGEROUS)

EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER

INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN

FOR EYES: WASH CONTINUOUSLY FOR 15 MIN., SEE PHYSICIAN

N/A - NOT APPLICABLE

17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133

LAB-AIDS(R*) INC.

MATERIAL SAFETY DATA SHEET

ID #: 19-6

03/28/97

CHEMICAL NAME & SYNONYMS: COPPER TEST SOLUTION NO. 2

CAS NO.(S): 7732-18-5; 4733-39-5

USED IN LAB-AIDS KITS #('S): 19

FORMULA: MIXTURE

FORMULA WEIGHT (F.W.): MIXTURE

-----PHYSICAL DATA -----

(DENSITY, SOLUBILITY, ETC.)

MIXTURE CONSISTS OF: BATHOCUPROINE AND WATER

APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID

-----INCOMPATABILITY -----

(MATERIALS TO AVOID)

N/A

DOT CLASS
NOT REGULATED
REACTIVITY
STABLE
CONDITIONS TO AVOID
(IF ANY)
N/A
HEALTH HAZARDS
(IF ANY)
NONE, MATERIAL CONSIDERED NON-HAZARDOUS
ALL CHARACTERISTICS OF THIS SUBSTANCE MAY NOT BE INVESTIGATED
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE
SPILLS AND LEAKS
ABSORB W/SAND OR VERMICULITE
DISPOSAL METHOD
DISPOSE BY INCINERATION
SPECIAL PRECAUTIONS
(IF ANY)

USE GLOVES AND CHEMICAL SPLASH SAFETY GOGGLES

```
-----FIRST AID -----
(IF SUBSTANCE DANGEROUS)
EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER
INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN
FOR EYES: WASH CONTINUOUSLY FOR 15 MIN., SEE PHYSICIAN
N/A - NOT APPLICABLE
17 COLT COURT
RONKONKOMA, NY 11779
(631) 737-1133
LAB-AIDS(R*) INC.
MATERIAL SAFETY DATA SHEET
ID #: 19-7
03/28/97
CHEMICAL NAME & SYNONYMS: CYANIDE TEST SOLUTION NO. 1
CAS NO.(S): 7732-18-5; 3012-65-5; 7761-88-8
USED IN LAB-AIDS KITS #('S): 19
FORMULA: MIXTURE
FORMULA WEIGHT (F.W.): MIXTURE
-----PHYSICAL DATA -----
(DENSITY, SOLUBILITY, ETC.)
MIXTURE CONSISTS OF: SILVER NITRATE, AMMONIUM CITRATE AND WATER
APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID
-----INCOMPATABILITY -----
(MATERIALS TO AVOID)
CAUSTICS
-----DOT CLASS -----
NOT REGULATED
```

-----REACTIVITY -----

STABLE
CONDITIONS TO AVOID
(IF ANY)
NONE, EXCEPT TO PRACTICE PRUDENT LABORATORY PROCEDURES
HEALTH HAZARDS
(IF ANY)
SLIGHT IRRITANT TO BODY TISSUES
ALL CHARACTERISTICS OF THIS SUBSTANCE MAY NOT BE INVESTIGATED
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE
SPILLS AND LEAKS
ABSORB W/SAND OR VERMICULITE AND PLACE IN A SUITABLE CONTAINER
DISPOSAL METHOD
PLACE CONTAINER IN A LANDFILL SITE
SPECIAL PRECAUTIONS
(IF ANY)
USE GLOVES AND CHEMICAL SPLASH SAFETY GOGGLES
FIRST AID
(IF SUBSTANCE DANGEROUS)

EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER

FOR EYES: WASH CONTINUOUSLY FOR 15 MIN., SEE PHYSICIAN N/A - NOT APPLICABLE 17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133 LAB-AIDS(R*) INC. MATERIAL SAFETY DATA SHEET ID #: 19-8 03/28/97 CHEMICAL NAME & SYNONYMS: CYANIDE TEST SOLUTION NO. 2 CAS NO.(S): 7732-18-5; 7664-93-9; 0067-63-0; 0140-22-7 USED IN LAB-AIDS KITS #('S): 19 FORMULA: MIXTURE FORMULA WEIGHT (F.W.): MIXTURE -----PHYSICAL DATA -----(DENSITY, SOLUBILITY, ETC.) MIXTURE CONSISTS OF: 1,5 DIPHENYLCARBOHYDRAZIDE, ISOPROPANOL ALCOHOL, SULFURIC ACID AND WATER APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID ----INCOMPATABILITY -----(MATERIALS TO AVOID) N/A -----DOT CLASS -----NOT REGULATED -----REACTIVITY -----STABLE

INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN

CONDITIONS TO AVOID
(IF ANY)
NONE, EXCEPT TO PRACTICE PRUDENT LABORATORY PROCEDURES
HEALTH HAZARDS
(IF ANY)
MAY BE SLIGHT IRRITANT TO BODY TISSUES
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE
SPILLS AND LEAKS
ABSORB W/SAND OR VERMICULITE
DISPOSAL METHOD
IF DRAIN IS CONNECTED TO A SANITARY SEWER SYSTEM, FLUSH WITH PLENTY OF WATER. IF NOT PLACE IN A SUITABLE CONTAINER, SEAL AND BURY IN A LANDFILL SITE.
SPECIAL PRECAUTIONS
(IF ANY)
USE GLOVES AND CHEMICAL SPLASH SAFETY GOGGLES
FIRST AID
(IF SUBSTANCE DANGEROUS)
EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER
INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN

FOR EYES: WASH CONTINUOUSLY FOR 15 MIN., SEE PHYSICIAN

17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133 LAB-AIDS(R*) INC. MATERIAL SAFETY DATA SHEET ID #: 19-9 03/28/97 CHEMICAL NAME & SYNONYMS: IRON TEST SOLUTION NO. 1 CAS NO.(S): 7732-18-5, 7664-93-9 USED IN LAB-AIDS KITS #('S): 19 FORMULA: MIXTURE FORMULA WEIGHT (F.W.): MIXTURE -----PHYSICAL DATA -----(DENSITY, SOLUBILITY, ETC.): MIXTURE CONSISTS OF: SULFURIC ACID AND WATER APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID ----INCOMPATABILITY -----(MATERIALS TO AVOID) ORGANICS -----DOT CLASS -----CORROSIVE LIQUID ----REACTIVITY -----STABLE -----CONDITIONS TO AVOID -----(IF ANY)

N/A - NOT APPLICABLE

AVOID BODY CONTACT

HEALTH HAZARDS
(IF ANY)
SLIGHTLY-TOXIC BY INGESTION
MAY BE IRRITANT TO SKIN
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE
SPILLS AND LEAKS
ABSORB W/SAND OR VERMICULITE AND PLACE IN A SUITABLE CONTAINER
DISPOSAL METHOD
ADD WATER AND STIR. SLOWLY ADD 1M SODIUM CARBONATE SOLUTION STIR. WHEN GAS
EVOLUTION STOPS, FLUSH MATERIAL DOWN DRAIN WITH EXCESS WATER
SPECIAL PRECAUTIONS
(IF ANY)
USE GLOVES AND CHEMICAL SPLASH SAFETY GOGGLES AND FUME HOOD PRACTICE HIGH LEVEL OF CAUTION IN DEALING W/SULFURIC ACID
FIRST AID
(IF SUBSTANCE DANGEROUS)
EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER
INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN
FOR EYES: WASH CONTINUOUSLY FOR 15 MIN., SEE PHYSICIAN

N/A - NOT APPLICABLE

RONKONKOMA, NY 11779 (631) 737-1133 LAB-AIDS(R*) INC. MATERIAL SAFETY DATA SHEET ID #: 19-11 03/28/97 CHEMICAL NAME & SYNONYMS: NITRATE TEST SOLUTION #1 0.2N HYDROCHLORIC ACID CAS NO.(S): 7732-18-5; 7647-01-0 USED IN LAB-AIDS KITS #('S): 19 FORMULA: HCl FORMULA WEIGHT (F.W.): MIXTURE -----PHYSICAL DATA -----(DENSITY, SOLUBILITY, ETC.) MIXTURE CONSISTS OF: WATER AND HYDROCHLORIC ACID APPEARANCE AND ODOR: CLEAR, LIQUID, SLIGHT PUNGENT ODOR. ----INCOMPATABILITY -----(MATERIALS TO AVOID) STRONG OXIDANTS -----DOT CLASS -----NOT REGULATED ----REACTIVITY -----STABLE -----CONDITIONS TO AVOID -----(IF ANY) STRONG OXIDANTS. AVOID BREATHING VAPOR. AVOID BODY CONTACT

17 COLT COURT

HEALTH HAZARDS
(IF ANY)
SLIGHT IRRITANT TO BODY TISSUES.
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE
SPILLS AND LEAKS
ABSORB W/SAND OR VERMICULITE AND PLACE IN A SUITABLE CONTAINER
DISPOSAL METHOD
DILUTE WITH 20 X WATER. ADD SODIUM CARBONATE SOLUTION AND FLUSH IN DRAIN.
SPECIAL PRECAUTIONS
(IF ANY)
USE CHEMICAL SPLASH SAFETY GOGGLES
FIRST AID
(IF SUBSTANCE DANGEROUS)
EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER
INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN
RESPIRATORY: TRANSPORT TO FRESH AIR
N/A - NOT APPLICABLE
17 COLT COURT RONKONKOMA, NY 11779

(631) 737-1133

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MATERIAL SAFETY DATA SHEET
ID #: 19-12
03/28/97
CHEMICAL NAME & SYNONYMS: NITRATE INDICATOR POWDER
CAS NO.(S): 7647-14-5; 7440-66-6; 121-57-3; 1465-25-4
USED IN LAB-AIDS KITS #('S): 19
FORMULA: MIXTURE
FORMULA WEIGHT (F.W.): MIXTURE
-----PHYSICAL DATA -----
(DENSITY, SOLUBILITY, ETC.)
MIXTURE CONSISTS OF:
SODIUM CHLORIDE, POWDERED ZINC, N-1 NAPHTHYLETHYLENEDIAMINE
DIHYDROCHLORIDE AND SULFANILIC ACID
APPEARANCE AND ODOR: OFF WHITE CRYSTALS WITH NO DISTINGUISHABLE ODOR
-----INCOMPATABILITY -----
(MATERIALS TO AVOID)
OXIDIZING MATERIALS
-----DOT CLASS -----
NOT REGULATED
-----REACTIVITY -----
STABLE
-----CONDITIONS TO AVOID -----
(IF ANY)
HEAT, SPARK, OPEN FLAME
-----HEALTH HAZARDS -----
(IF ANY)
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LAB-AIDS(R*) INC.

NONE ESTABLISHED -----TOLERANCE LIMIT VALUE (TLV) -----(IF ESTABLISHED) NONE ESTABLISHED -----FIRE HAZARDS -----(IF ANY) FLAMMABLE, USE TRICLASS DRY CHEMICAL FIRE EXTINGUISHER -----SPILLS AND LEAKS -----GATHER UP MATERIAL IN A PILE AND PACKAGE -----DISPOSAL METHOD -----FEED INTO AN INCINERATOR -----SPECIAL PRECAUTIONS -----(IF ANY) KEEP FROM CONTACT WITH OXIDIZING MATERIALS -----FIRST AID -----(IF SUBSTANCE DANGEROUS) EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN FOR EYES: WASH CONTINUOUSLY FOR 15 MIN., SEE PHYSICIAN N/A - NOT APPLICABLE 17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133 LAB-AIDS(R*) INC. MATERIAL SAFETY DATA SHEET

ID #: 19-13

03/28/97	
CHEMICAL NAME & SYNONYMS: PHOSPHATE TEST SOLUTION NO. 1	
CAS NO.(S): 7732-18-5; 7647-01-0; 12027-67-7; 7803-55-6	
USED IN LAB-AIDS KITS #('S): 4, 19, 19-1-PH	
FORMULA: MIXTURE/SOLUTION	
FORMULA WEIGHT (F.W.): MIXTURE/SOLUTION	
PHYSICAL DATA	
(DENSITY, SOLUBILITY, ETC.)	
MIXTURE/SOLUTION	
INGREDIENTS: AMMONIUM MOLYBDATE; AMMONIUM METAVANADATE; HYDROCHLORIC ACID	
APPEARANCE AND ODOR: CLEAR PALE YELLOW LIQUID	
INCOMPATABILITY	
(MATERIALS TO AVOID)	
NONE	
DOT CLASS	
NOT REGULATED	
REACTIVITY	
STABLE	
CONDITIONS TO AVOID	
(IF ANY)	

ALL CHARACTERISTICS OF THIS SUBSTANCE MAY NOT BE INVESTIGATED MAY BE TOXIC BY INGESTION

AVOID BODY CONTACT

(IF ANY)

-----HEALTH HAZARDS -----

TOLERANCE LIMIT VALUE (TLV)	
(IF ESTABLISHED)	
NONE ESTABLISHED	
FIRE HAZARDS	
(IF ANY)	
NON FLAMMABLE	
SPILLS AND LEAKS	
ABSORB W/SAND OR VERMICULITE AND PLACE IN A SUITABLE CONTAINER	
DISPOSAL METHOD	
PLACE CONTAINER IN TRASH	
SPECIAL PRECAUTIONS	
(IF ANY)	
WEAR CHEMICAL SPLASH SAFETY GOGGLES	
FIRST AID	
(IF SUBSTANCE DANGEROUS)	
EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER	
INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN	
FOR EYES: WASH CONTINUOUSLY FOR 15 MIN., SEE PHYSICIAN	
N/A - NOT APPLICABLE	
17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133	
LAB-AIDS(R*) INC.	
MATERIAL SAFETY DATA SHEET	
ID #: 19-14 & 19-14A	
03/28/97	

CHEMICAL NAME & SYNONYMS: PHOSPHATE TEST SOLUTION NO. 2

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CAS NO.(S): 0056-81-5, 7732-18-5, 7772-99-8
USED IN LAB-AIDS KITS #('S): 4, 19, 19-1-PH
FORMULA: MIXTURE/SOLUTION
FORMULA WEIGHT (F.W.): MIXTURE/SOLUTION
-----PHYSICAL DATA -----
(DENSITY, SOLUBILITY, ETC.)
MIXTURE CONSISTS OF: STANNOUS CHLORIDE, GLYCERINE
APPEARANCE AND ODOR: CLEAR, SYRUP-LIKE COLORLESS LIQUID
----INCOMPATABILITY -----
(MATERIALS TO AVOID)
NONE
-----DOT CLASS -----
NOT REGULATED
-----REACTIVITY -----
STABLE
-----CONDITIONS TO AVOID -----
(IF ANY)
AVOID BODY CONTACT
-----HEALTH HAZARDS -----
(IF ANY)
SLIGHT IRRITANT TO BODY TISSUES
SLIGHTLY TOXIC BY INGESTION
-----TOLERANCE LIMIT VALUE (TLV) -----
```

SILICA TEST SOLUTION NO. 4

(IF ESTABLISHED)

NONE ESTABLISHED -----FIRE HAZARDS -----(IF ANY) FLAMMABLE, USE TRICLASS DRY CHEMICAL FIRE EXTINGUISHER -----SPILLS AND LEAKS -----ABSORB W/SAND OR VERMICULITE AND PLACE IN A SUITABLE CONTAINER -----DISPOSAL METHOD -----FLUSH DOWN DRAIN OR BURY IN A LANDFILL SITE -----SPECIAL PRECAUTIONS -----(IF ANY) USE GLOVES AND CHEMICAL SPLASH SAFETY GOGGLES -----FIRST AID -----(IF SUBSTANCE DANGEROUS) EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN N/A - NOT APPLICABLE 17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133 LAB-AIDS(R*) INC. MATERIAL SAFETY DATA SHEET ID #: 19-15 03/28/97 CHEMICAL NAME & SYNONYMS: SILICA TEST SOLUTION NO. 1 CAS NO.(S): 7732-18-5; 7647-01-0

USED IN LAB-AIDS KITS #('S): 19

FORMULA: HCl

FORMULA WEIGHT (F.W.): MIXTURE
PHYSICAL DATA
(DENSITY, SOLUBILITY, ETC.)
MIXTURE CONSISTS OF: HYDROCHLORIC ACID AND WATER
APPEARANCE AND ODOR: CLEAR LIQUID, STRONG PUNGENT ODOR
INCOMPATABILITY
(MATERIALS TO AVOID)
STRONG OXIDANTS
DOT CLASS
CORROSIVE LIQUID
REACTIVITY
STABLE
CONDITIONS TO AVOID
(IF ANY)
STRONG OXIDANTS
AVOID BREATHING VAPOR; AVOID BODY CONTACT
HEALTH HAZARDS
(IF ANY)
IRRITANT TO BODY TISSUES
FUMES HARMFUL
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
10 PPM
FIRE HAZARDS

(IF ANY)

NON FLAMMABLE

-----SPILLS AND LEAKS -----

ABSORB ON SAND OR VERMICULITE. PLACE IN SUITABLE CONTAINER.

-----DISPOSAL METHOD -----

DILUTE WITH 20X WATER. ADD 1M SODIUM CARBONATE SOLUTION AND FLUSH IN DRAIN.

-----SPECIAL PRECAUTIONS -----

(IF ANY)

CHEMICAL GLOVES AND GOGGLES.

FUME HOOD.

-----FIRST AID -----

(IF SUBSTANCE DANGEROUS)

EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER

FOR EYES: WASH CONTINUOUSLY FOR 15 MIN., SEE PHYSICIAN

INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN

N/A - NOT APPLICABLE

17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133

LAB-AIDS(R*) INC.

MATERIAL SAFETY DATA SHEET

ID #: 19-16

03/28/97

CHEMICAL NAME & SYNONYMS: SILICA TEST SOLUTION NO. 2

CAS NO.(S): 7732-18-5; 12027-67-7; 1310-73-2

USED IN LAB-AIDS KITS #('S): 19

FORMULA: MIXTURE

FORMULA WEIGHT (F.W.): MIXTURE

PHYSICAL DATA
(DENSITY, SOLUBILITY, ETC.)
MIXTURE CONSISTS OF: AMMONIUM MOLYBATE, SODIUM HYDROXIDE AND WATER
APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID
INCOMPATABILITY
(MATERIALS TO AVOID)
ACIDS
DOT CLASS
NOT REGULATED
REACTIVITY
STABLE
CONDITIONS TO AVOID
(IF ANY)
ACIDS
HEALTH HAZARDS
(IF ANY)
VERY MODERATELY TOXIC; SLIGHT SKIN IRRITANT
ALL CHARACTERISTICS OF THIS SUBSTANCE MAY NOT BE INVESTIGATED
ALL CHARACTERISTICS OF THIS SUBSTANCE MAT NOT BE INVESTIGATED
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE

-----SPILLS AND LEAKS -----ABSORB W/SAND OR VERMICULITE -----DISPOSAL METHOD -----PLACE IN A SUITABLE CONTAINER AND BURY IN A LANDFILL SITE -----SPECIAL PRECAUTIONS -----(IF ANY) USE CHEMICAL SPLASH SAFETY GOGGLES -----FIRST AID -----(IF SUBSTANCE DANGEROUS) EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN FOR EYES: WASH CONTINUOUSLY FOR 15 MIN., SEE PHYSICIAN N/A - NOT APPLICABLE 17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133 LAB-AIDS(R*) INC. MATERIAL SAFETY DATA SHEET ID #: 19-17 03/28/97 CHEMICAL NAME & SYNONYMS: SILICA TEST SOLUTION NO. 3 CAS NO.(S): 7732-18-5; 0144-62-7 USED IN LAB-AIDS KITS #('S): 19 FORMULA: MIXTURE FORMULA WEIGHT (F.W.): MIXTURE -----PHYSICAL DATA -----(DENSITY, SOLUBILITY, ETC.)

MIXTURE CONSISTS OF: OXALIC ACID AND WATER
APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID
INCOMPATABILITY
(MATERIALS TO AVOID)
NONE
DOT CLASS
NOT REGULATED
REACTIVITY
STABLE
CONDITIONS TO AVOID
(IF ANY)
AVOID BODY CONTACT
HEALTH HAZARDS
(IF ANY)
MAY IRRITANT TISSUE
INGESTION MAY CAUSE GASTROENTERITIS
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE
SPILLS AND LEAKS
ABSORB W/SAND OR VERMICULITE AND PLACE IN A SUITABLE CONTAINER

-----DISPOSAL METHOD -----

ADD A TEN-FOLD EXCESS OF WATER, STIR. NEUTRALIZE WITH SODIUM CARBONATE SOLUTION AND RINSE DOWN THE DRAIN WITH AN EXCESS OF WATER.

-----SPECIAL PRECAUTIONS -----

(IF ANY)

USE STRICT LABORATORY PROCEDURES

USE GLOVES AND CHEMICAL SPLASH SAFETY GOGGLES

-----FIRST AID -----

(IF SUBSTANCE DANGEROUS)

EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER

INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN

N/A - NOT APPLICABLE

17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133

LAB-AIDS(R*) INC.

MATERIAL SAFETY DATA SHEET

ID #: 19-18

03/28/97

CHEMICAL NAME & SYNONYMS: SULFIDE TEST SOLUTION NO. 1

CAS NO.(S): 7732-18-5; 7664-93-9; 62778-12-5

USED IN LAB-AIDS KITS#('S): 19

FORMULA: MIXTURE

FORMULA WEIGHT (F.W.): MIXTURE

-----PHYSICAL DATA -----

(DENSITY, SOLUBILITY, ETC.)

MIXTURE CONSISTS OF:

N,N-DIMETHYL-P-PHENYLENEDIAMINE OXALATE, SULFURIC ACID AND WATER

APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID.

INCOMPATABILITY
(MATERIALS TO AVOID)
STRONG OXIDANTS
DOT CLASS
CORROSIVE LIQUID
REACTIVITY
VERY REACTIVE
CONDITIONS TO AVOID
(IF ANY)
MAY SPLATTER WHEN MIXED WITH WATER
HEALTH HAZARDS
(IF ANY)
TOXIC; STRONG SKIN IRRITANT
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE
SPILLS AND LEAKS
ABSORB W/SAND OR VERMICULITE AND PLACE IN A SUITABLE CONTAINER
DISPOSAL METHOD
ADD WATER AND STIR. SLOWLY ADD 1M SODIUM CARBONATE SOLUTION STIR. WHEN

EVOLUTION STOPS, FLUSH MATERIAL DOWN DRAIN WITH EXCESS WATER.

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-----SPECIAL PRECAUTIONS -----
(IF ANY)
USE GLOVES AND CHEMICAL SPLASH SAFETY GOGGLES AND FUME HOOD. PRACTICE
LEVEL OF CAUTION IN DEALING W/SULFURIC ACID
-----FIRST AID -----
(IF SUBSTANCE DANGEROUS)
EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER
INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN
N/A - NOT APPLICABLE
17 COLT COURT
RONKONKOMA, NY 11779
(631) 737-1133
LAB-AIDS(R*) INC.
MATERIAL SAFETY DATA SHEET
ID #: 19-10
03/28/97
CHEMICAL NAME & SYNONYMS: IRON INDICATOR POWDER NO. 2
CAS NO.(S): 1762-95-4
USED IN LAB-AIDS KITS #('S): 19
FORMULA: NH4SCN
FORMULA WEIGHT (F.W.): 76.13
-----PHYSICAL DATA -----
(DENSITY, SOLUBILITY, ETC.)
CONSISTS OF AMMONIUM THIOCYANATE
APPEARANCE AND ODOR: PINKISH - WHITE ODORLESS CRYSTALS
-----INCOMPATIBILITY -----
(MATERIALS TO AVOID)
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NONE

DOT CLASS
N.R.
REACTIVITY
STABLE
CONDITIONS TO AVOID
(IF ANY)
HEATING CAUSTIC MATERIALS, ACIDS
HEALTH HAZARDS
(IF ANY)
HARMFUL IF SWALLOWED
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE
SPILLS AND LEAKS
GATHER UP MATERIAL IN A PILE. DO NOT SWEEP
DISPOSAL METHOD
PLACE IN SUITABLE CONTAINER, SEAL AND BURY IN LANDFILL
SPECIAL PRECAUTIONS
(IF ANY)
CHEMICAL GLOVES AND GOGGLES

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-----FIRST AID -----
(IF SUBSTANCE DANGEROUS)
EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER
INTERNAL: WASH MOUTH, SEE A PHYSICIAN
EYES: WASH CONTINUOUSLY WITH WATER FOR 15 MIN; SEE PHYSICIAN
N/A - NOT APPLICABLE
17 COLT COURT
RONKONKOMA, NY 11779
(631) 737-1133
LAB-AIDS(R*) INC.
MATERIAL SAFETY DATA SHEET
ID #: 19-19
03/28/97
CHEMICAL NAME & SYNONYMS: SULFIDE TEST SOLUTION NO. 2
CAS NO.(S): 7732-18-5; 7705-08-0
USED IN LAB-AIDS KITS #('S): 19
FORMULA: MIXTURE
FORMULA WEIGHT (F.W.): MIXTURE
-----PHYSICAL DATA -----
(DENSITY, SOLUBILITY, ETC.)
MIXTURE CONSISTS OF: FERRIC CHLORIDE AND WATER
APPEARANCE AND ODOR: BROWNISH-YELLOW LIQUID
----INCOMPATABILITY -----
(MATERIALS TO AVOID)
N/A
-----DOT CLASS -----
NOT REGULATED
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----REACTIVITY -----

STABLE
CONDITIONS TO AVOID
(IF ANY)
AVOID BODY CONTACT
HEALTH HAZARDS
(IF ANY)
IRRITANT TO SKIN AND TISSUE
SLIGHTLY TOXIC BY INGESTION
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE
SPILLS AND LEAKS
ABSORB W/SAND OR VERMICULITE AND PLACE IN A SUITABLE CONTAINER
DISPOSAL METHOD
PLACE CONTAINER IN A LANDFILL SITE
SPECIAL PRECAUTIONS
(IF ANY)
USE GLOVES AND CHEMICAL SPLASH SAFETY GOGGLES
FIRST AID
(IF SUBSTANCE DANGEROUS)

EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER

FOR EYES: WASH CONTINUOUSLY FOR 15 MIN., SEE PHYSICIAN N/A - NOT APPLICABLE 17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133 LAB-AIDS(R*) INC. MATERIAL SAFETY DATA SHEET ID #: 19-20 03/28/97 CHEMICAL NAME & SYNONYMS: SULFIDE TEST SOLUTION NO. 3 CAS NO.(S): 7732-18-5; 7783-28-0 USED IN LAB-AIDS KITS #('S): 19 FORMULA: MIXTURE FORMULA WEIGHT (F.W.): MIXTURE -----PHYSICAL DATA -----(DENSITY, SOLUBILITY, ETC.) MIXTURE CONSISTS OF: AMMONIUM PHOSPHATE DIBASIC APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID ----INCOMPATIBILITY -----(MATERIALS TO AVOID) N/A -----DOT CLASS -----NOT REGULATED -----REACTIVITY -----STABLE -----CONDITIONS TO AVOID -----

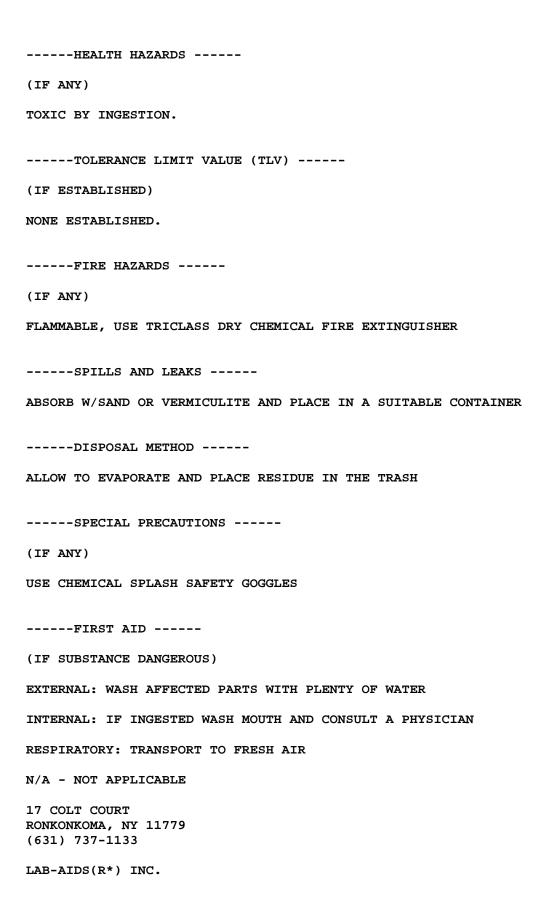
INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN

NONEHEALTH HAZARDS (IF ANY) MATERIAL CONSIDERED NON-HAARDOUS ALL CHARACTERSTICS OF THIS SUBSTANCE MAY NOT BE INVESTIGATED
(IF ANY) MATERIAL CONSIDERED NON-HAARDOUS ALL CHARACTERSTICS OF THIS SUBSTANCE MAY NOT BE INVESTIGATED
(IF ANY) MATERIAL CONSIDERED NON-HAARDOUS ALL CHARACTERSTICS OF THIS SUBSTANCE MAY NOT BE INVESTIGATED
MATERIAL CONSIDERED NON-HAARDOUS ALL CHARACTERSTICS OF THIS SUBSTANCE MAY NOT BE INVESTIGATED
ALL CHARACTERSTICS OF THIS SUBSTANCE MAY NOT BE INVESTIGATED
TOLERANCE LIMIT VALUE (TLV)
(IF ESTABLISHED)
NONE ESTABLISHED
FIRE HAZARDS
(IF ANY)
NON FLAMMABLE
SPILLS AND LEAKS
ABSORB W/SAND OR VERMICULATE AND PLACE IN A SUITABLE CONTAINER
DISPOSAL METHOD
BURY IN A LANFILL SITE.
SPECIAL PRECAUTIONS
(IF ANY)
USE PRUDENT LABORATORY PROCEDURES
FIRST AID
(IF SUBSTANCE DANGEROUS)
(IF SUBSTANCE DANGEROUS) EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER

N/A - NOT APPLICABLE

17 COLT COURT RONKONKOMA, NY 11779 (631) 737-1133 LAB-AIDS(R*) INC. MATERIAL SAFETY DATA SHEET ID #: 19-21 03/28/97 CHEMICAL NAME & SYNONYMS: UNIVERSAL PH INDICATOR SOLUTION UNIVERSAL INDICATOR CAS NO.(S): 7732-18-5; 0064-17-5; 1310-73-2; 0076-59-5 USED IN LAB-AIDS KITS#('S): 19 FORMULA: MIXTURE/SOLUTION FORMULA WEIGHT (F.W.): MIXTURE -----PHYSICAL DATA -----(DENSITY, SOLUBILITY, ETC.) AN ETHYL ALCOHOL BASED SOLUTION. APPEARANCE AND ODOR: DARK GREEN LIQUID WITH CHARACTERISTIC ODOR OF ETHYL ALCOHOL. ----INCOMPATIBILITY -----(MATERIALS TO AVOID) OPEN FLAME. -----DOT CLASS -----NOT REGULATED ----REACTIVITY -----STABLE -----CONDITIONS TO AVOID -----(IF ANY)

AVOID INHALING FUMES.



ID #: 19-22 03/28/97 CHEMICAL NAME & SYNONYMS: CHROMIUM EXTRACTING SOLUTION CAS NO.(S): 7732-18-5; 7647-01-0 USED IN LAB-AIDS KITS #('S): 19 FORMULA: HCl FORMULA WEIGHT (F.W.): MIXTURE -----PHYSICAL DATA -----(DENSITY, SOLUBILITY, ETC.) MIXTURE CONSISTS OF: HYDROCHLORIC ACID AND WATER APPEARANCE AND ODOR: CLEAR LIQUID, STRONG PUNGENT ODOR -----INCOMPATABILITY -----(MATERIALS TO AVOID) STRONG OXIDANTS -----DOT CLASS -----CORROSIVE LIQUID -----REACTIVITY -----STABLE -----CONDITIONS TO AVOID -----(IF ANY) STRONG OXIDANTS AVOID BREATHING VAPOR; AVOID BODY CONTACT -----HEALTH HAZARDS -----

MATERIAL SAFETY DATA SHEET

(IF ANY)

IRRITANT TO BODY TISSUES FUMES HARMFUL -----TOLERANCE LIMIT VALUE (TLV) -----(IF ESTABLISHED) 10 PPM -----FIRE HAZARDS -----(IF ANY) NON FLAMMABLE -----SPILLS AND LEAKS -----ABSORB ON SAND OR VERMICULITE. PLACE IN SUITABLE CONTAINER. -----DISPOSAL METHOD -----DILUTE WITH 20X WATER. ADD 1M SODIUM CARBONATE SOLUTION AND FLUSH IN DRAIN. -----SPECIAL PRECAUTIONS -----(IF ANY) CHEMICAL GLOVES AND GOGGLES. FUME HOOD. -----FIRST AID -----(IF SUBSTANCE DANGEROUS) EXTERNAL: WASH AFFECTED PARTS WITH PLENTY OF WATER FOR EYES: WASH CONTINUOUSLY FOR 15 MIN., SEE PHYSICIAN INTERNAL: IF INGESTED WASH MOUTH AND CONSULT A PHYSICIAN N/A - NOT APPLICABLE 17 COLT COURT

RONKONKOMA, NY 11779

(631) 737-1133