

2016 Photo Documentation Of the SEL



Last Edited
April - 2018

Version
5.1.2



Photo and Graphic Documentation of SEL Equipment Items

**Referenced to
SEL Edition 2016**

PAGES MARKED WITH A ☺ INDICATE NEW INFORMATION OR UPDATED PAGE

Field Testing & Detection

(Color Change Analysis – Non-Electronic)

Test Strips, pH Paper, Packets
(pH “0” to pH “14”)

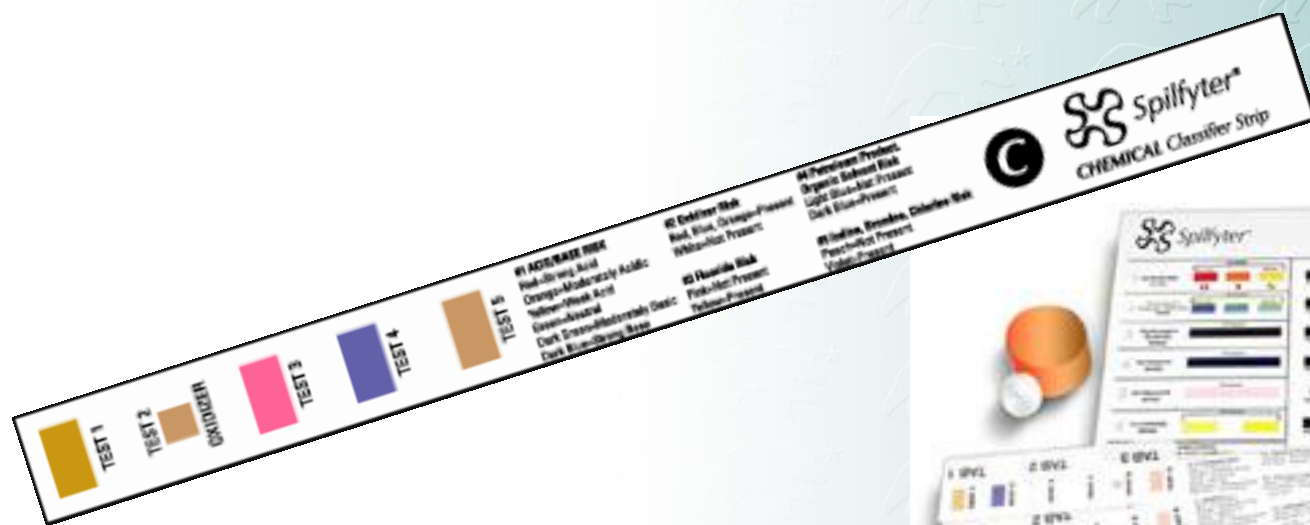


1.1.1

Field Testing & Detection

(Color Change Analysis – Non-Electronic)

OPTIONAL ITEM



THIS ITEM MEETS THE
REQUIREMENTS FOR
S.E.L. ITEM # 1.1.1



1.1.2 (Optional for Item # 1.1.1)

Field Testing & Detection

(Color Change Analysis – Non-Electronic)

Test Strips, Oxidizer Test (Potassium Iodide – Starch)



1.1.3

Field Testing & Detection

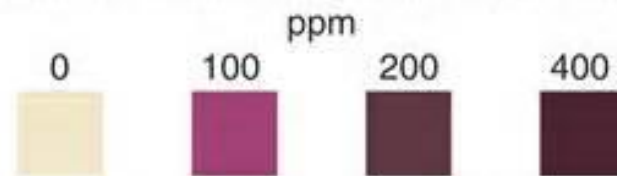
(Color Change Analysis – Non-Electronic)

Test Strips, Peroxide



High Level Peroxide Strips

1. Dip the Test strip into the solution to be tested for one second and shake off excess liquid.
2. After 30 seconds, compare with color scale.



Precision Laboratories

415 Air Park Road
Cottonwood, AZ 86326
800-733-0266 Fax 928-649-2306

Field Testing & Detection

(Color Change Analysis – Non-Electronic)

Test Strips – WMD Chemical Kit (M-8)

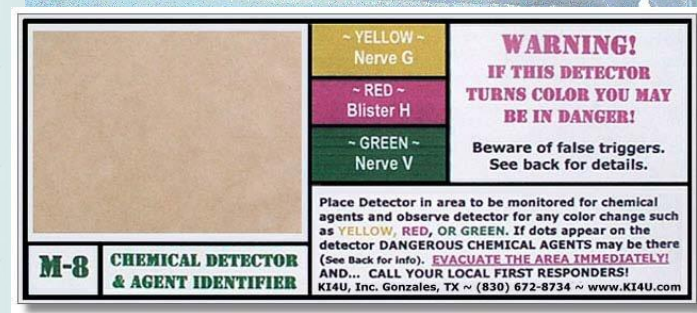
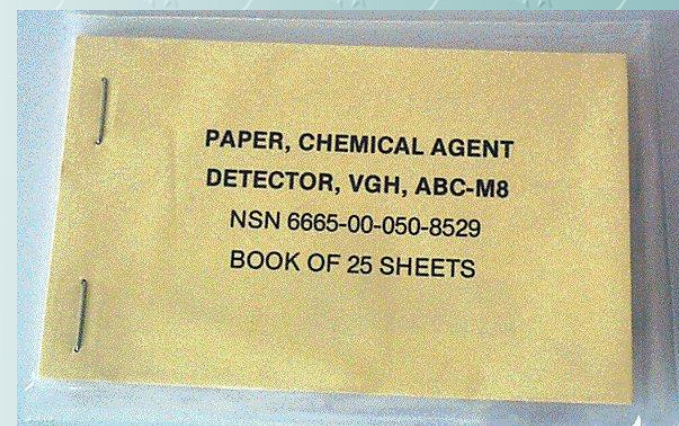
(For Nerve Agents)



HAZ-MAT “SMART-STRIP”



“M-8 AGENT IDENTIFIER”

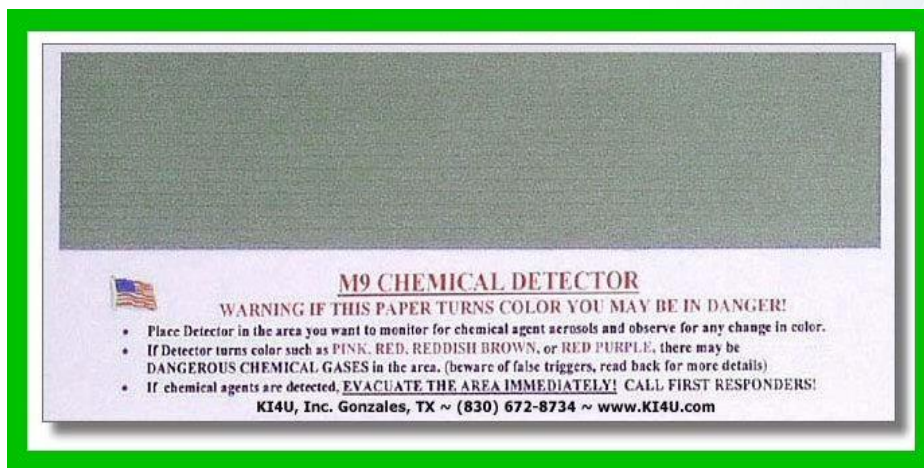


MILITARY “M-8” PACKET

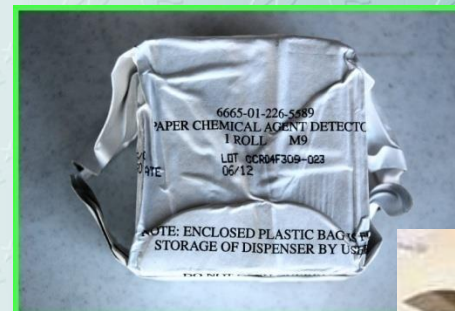
Field Testing & Detection

(Color Change Analysis – Non-Electronic)

Test Strips – WMD Chemical Roll (M-9) (For Nerve and Blister or Lewisite)



“SMART M-8”



MILITARY “M-9”
ROLL

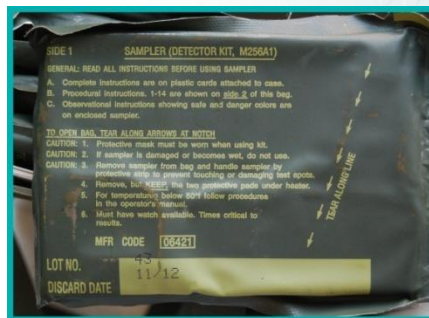
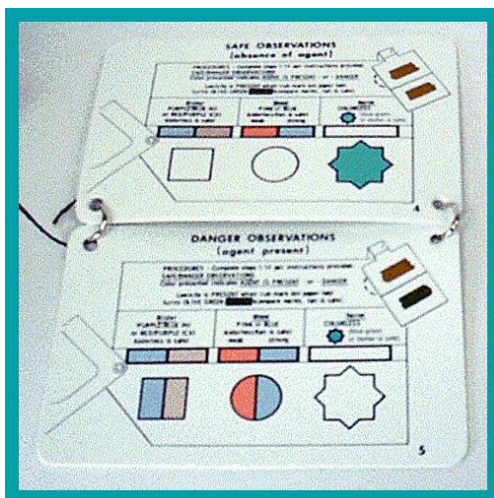


Field Testing & Detection

(Color Change Analysis – Non-Electronic)

Test Strips – WMD Chemical Card (M256A-1)

(For Nerve, Blister, and Blood Agents)



**DETECTOR
CARDS**

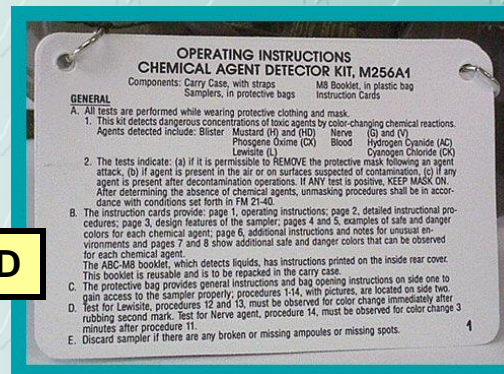
INSTRUCTION CARD



Sealed Vapor Sampler

**COMPLETE
KIT**

M8 Paper

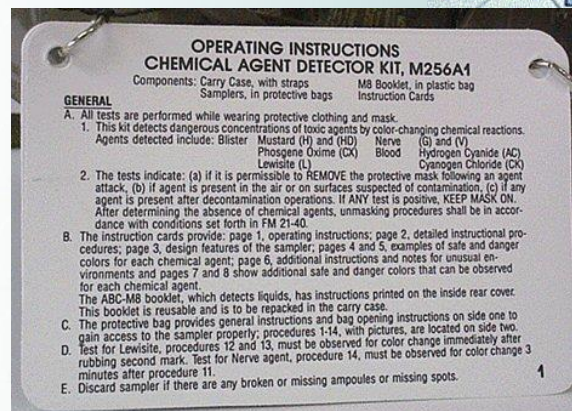
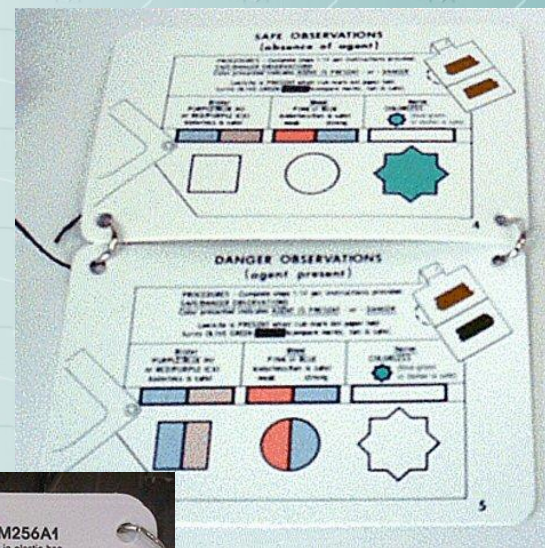
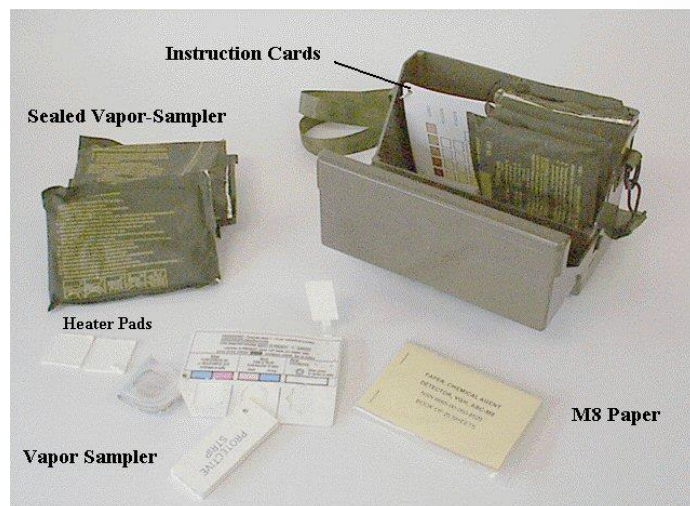


1.1.11

Field Testing & Detection

(Color Change Analysis – Non-Electronic)

Test Card – Similar to M256A1 Detector Kit and Card but for Training Only



1.1.12

Field Testing & Detection

(Qualitative Analysis, Kits – Non-Electronic)

Industrial Chemicals, Knowns and Unknowns

1.2.1

Abbreviated TEST KIT, for
KNOWN LIQUIDS,
POWDERS, SOLIDS,
MIXTURES

1.2.2

Full Function TEST KIT,
for UNKNOWN
LIQUIDS, POWDERS,
SOLIDS, MIXTURES



Field Testing & Detection

(Qualitative Analysis, Kits – Non-Electronic)

PCB CHEMICALS, Test Kits



**RANGE of DETECTION is 20 ppm to
500 ppm DEPENDING ON KIT**

Field Testing & Detection

(Qualitative Analysis, Kits – Non-Electronic)

WMD, Water Test Kit, Military M272



WATER TEST KIT M272 or M273

Field Testing & Detection

(Qualitative Analysis, Kits – Non-Electronic)

WMD, Chemical Agent, Military M18A3



CHEMICAL AGENT TEST KIT M18A2 or M18A3

Field Testing & Detection

(Qualitative Analysis, Kits - Electronic)

SYSTEM: Gas Chromatograph

**TYPE 1 TEAM NEEDS
ONE COMPLETE KIT OF EITHER:**

**Example
of Item
1.3.1**



1.3.1

Field Testing & Detection

(Qualitative Analysis, Kits - Electronic)

SYSTEM: Mass Spectrometry

TYPE 1 TEAM NEEDS
ONE COMPLETE KIT OF EITHER:

Example
of Item
1.3.2



1.3.2

Field Testing & Detection

(Qualitative Analysis, Kits - Electronic)

SYSTEM: Infra-Red Spectroscopy

**TYPE 1 TEAM NEEDS
ONE COMPLETE KIT OF EITHER:**



**Example
of Item
1.3.3**



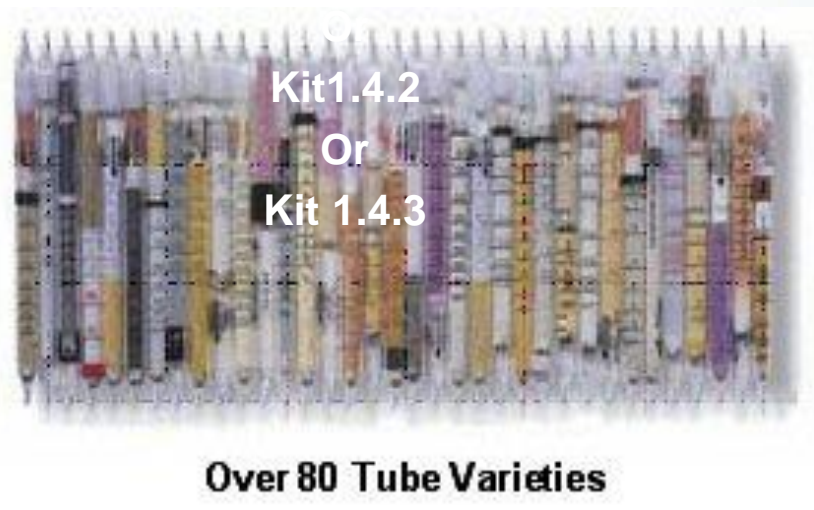
1.3.3

Field Testing & Detection

(Colorimetric Analysis, Non-Electronic)

COLORIMETRIC KIT, Basic

TYPE 1 & 2 TEAMS NEED ONE
COMPLETE KIT OF EITHER:
(1.4.1; 1.4.2; or 1.4.3)



1.4.1



Field Testing & Detection

(Colorimetric Analysis, Non-Electronic)

COLORIMETRIC KIT, Chip

TYPE 1 & 2 TEAMS NEED ONE
COMPLETE KIT OF EITHER:
(1.4.1; 1.4.2; or 1.4.3)



CMS Tube Chips



DRAGER CMS Analyzer



DRAGER CMS Chip Kit
Complete

1.4.2

Field Testing & Detection

(Colorimetric Analysis, Non-Electronic)

COLORIMETRIC KIT, Multi-Sensing

TYPE 1 & 2 TEAMS NEED ONE
COMPLETE KIT OF EITHER:
(1.4.1; 1.4.2; or 1.4.3)



Typical Multi-Tube
Pak

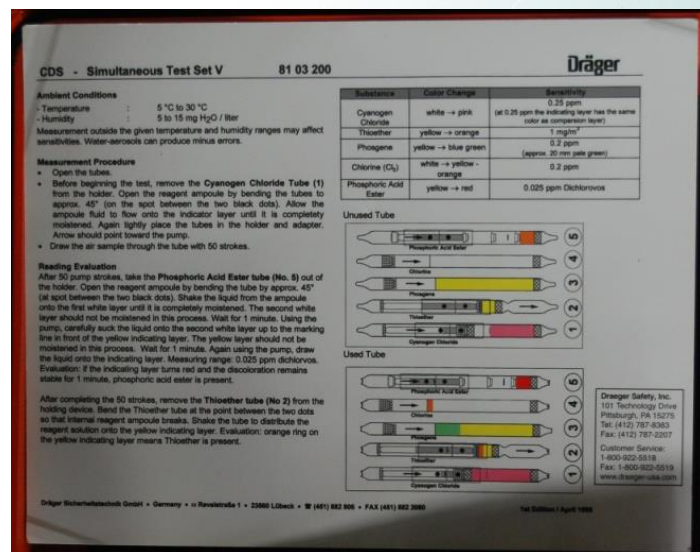
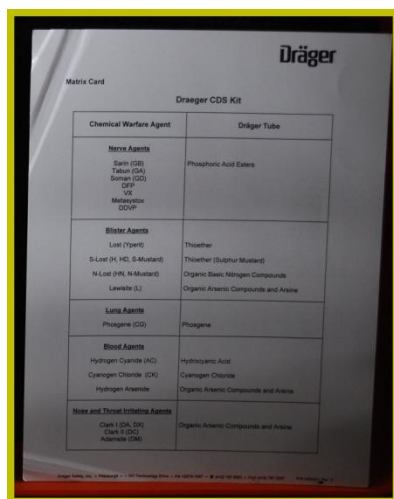


DRÄGER Multi-Sensing Kit

1.4.3

Field Testing & Detection (Colorimetric Analysis, Non-Electronic)

Colorimetric Kit, WMD Special



Dräger "HazMat Emergency Response" Kit #4056098

COMPLETE KIT

KIT MUST INCLUDE FLOW CHART and INSTRUCTIONS

1.4.4

Field Testing & Detection

(WMD Biological Detection)

#1.5.1 NON-AGENT SPECIFIC

- *Anti-Body Test Strips or Card (---)*

TYPE 1 TEAM Needs One
Complete Kit of Either Type.
Notation in () Indicate Reliability



(---)

#1.5.2 AGENT SPECIFIC, With Reader

- *Protein Fluorescence (+)*
- *Immuno-Assay (++)*
- *PCR (Polymerase Chain Reaction (+++))*
- *DNA Replication (+++)*

(++)

(+++)



(+)



TYPICAL READER

1.5.1 & 1.5.2

Air Monitoring

(Confined Space Monitoring)

Confined Space OSHA Standard (Four Gas)

Technologies:
CGI, FID, PID



2.1.1

Air Monitoring

(Confined Space Monitoring)

Calibration Kit: for Item #2.1.1 (Four Gas)



2.1.2



Air Monitoring (Toxic Gas Multi - Monitoring)

TIC and VOC Detection

NOTE : Some Devices Might Also Include Aromatic Hydrocarbon (Benzene Ring) and is acceptable for Item # 2.2.2



2.2.1

Air Monitoring (Aromatic Hydrocarbons)

Benzene and Cyclo-Hydrocarbons



2.2.2

Air Monitoring (Aromatic Hydrocarbons)

Calibration Kit(s): for Items #2.1.1 & 2.2.2
(Toxic & Aromatic Hydrocarbon)



2.2.4

Air Monitoring (Specialty Gas Capabilities)

Ammonia

NOTE: One device may detect two or more Specialty Gases if certified to do so. (# 2.3.1, 2.3.2, 2.3.3, 2.3.4)



2.3.1

Air Monitoring

(Specialty Gas Capabilities)

Freons and Derivative Refrigerants

NOTE: One device may detect two or more Specialty Gases if certified to do so. (# 2.3.1, 2.3.2, 2.3.3, 2.3.4)



2.3.2

Air Monitoring

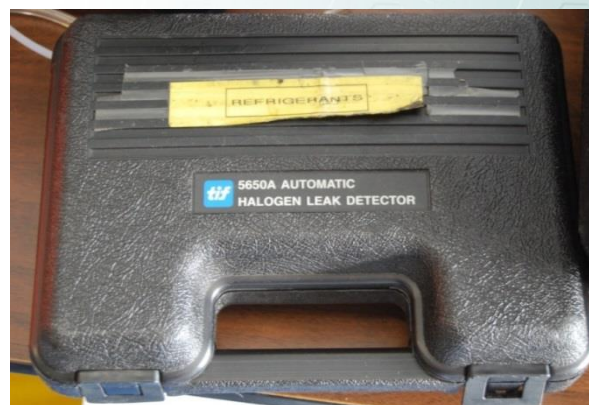
(Specialty Gas Capabilities)

Halogen Gases

NOTE: One device may detect two or more Specialty Gases if certified to do so. (# 2.3.1, 2.3.2, 2.3.3, 2.3.4)



Chlorine is Required,
other Halogen Gases
Optional



2.3.3

Air Monitoring (Specialty Gas Capabilities)

Phosphine

NOTE: One device may detect two or more Specialty Gases if certified to do so. (# 2.3.1, 2.3.2, 2.3.3, 2.3.4)



2.3.4

Air Monitoring

(Specialty Gas Capabilities)

Calibration Kit: for Item #2.3.1, 2.3.2, 2.3.3, & 2.3.4
(Specialty Gases)



2.3.16



Air Monitoring (WMD Chemical Dedicated Instruments)

Nerve Agents Detection



	NERVE AGENTS	BLISTER AGENTS	LEWISITE	BLOOD AGENTS	CHOKING AGENTS	INCAPACITATING	TIC's	VX	Vx	SO ₂	CL ₂	NH ₃	HNO ₂	HF	RDX	TNT	PETN	SEMTEX	TATP	Ammonium Nitrate	COCAINE	HEROIN	THC	METHAMPHETAMINE	GAZMIA
AP4C	•	•	•	•	•	•	•	•	•	•	•	•													
APD 2000	•	•	•			•																			
CAM	•	•		•	•																				
CAM FAM	•	•		•	•																				
E-CAM	•	•		•	•		•																		
HAZMATCAD	•	•		•	•																				
HGVI	•	•		•	•		•																	•	
J-CAD ChemSentry	•	•		•						P	O	O	R	C	H	O	I	C	E						
LCD 3.2E	•	•		•	•		•																		
LCD FR	•	•		•	•		•																		
RAE chemRAE	•	•		•																					
RAID-M	•	•	•		•	•																			
SABRE FR	•	•	•					•	•	•	•	•	•	•											
SABRE 4000	•	•		•	•			•	•							•	•	•	•	•	•	•	•	•	•
ChemPro100i	•	•	•	•	•	•						•	•												

2.4.1

Air Monitoring

(WMD Chemical Dedicated Instruments)

Blister Agent, Mustards



	NERVE AGENTS	BLISTER AGENTS	LEWISITE	BLOOD AGENTS	CHOKING AGENTS	INCAPACITATING	TIC's	VX	Vx	SO ₂	CL ₂	NH ₃	HNO ₂	HF	RDX	TNT	PETN	SEMTEX	TATP	Ammonium Nitrate	COCAINE	HEROIN	THC	METHAMPHETAMINE	GAZMIA
AP4C	•	•	•	•	•	•	•	•	•	•	•	•													
APD 2000	•	•	•			•																			
CAM	•	•		•	•																				
CAM FAM	•	•		•	•																				
E-CAM	•	•		•	•		•																		
HAZMATCAD	•	•		•	•																				
HGVI	•	•		•	•		•																	•	
J-CAD ChemSentry	•	•		•						P	O	O	R	C	H	O	I	C	E						
LCD 3.2E	•	•		•	•		•																		
LCD FR	•	•		•	•		•																		
RAE chemRAE	•	•		•																					
RAID-M	•	•	•		•	•																			
SABRE FR	•	•		•				•	•	•	•	•	•	•											
SABRE 4000	•	•		•				•	•							•	•	•	•	•	•	•	•	•	•
ChemPro100i	•	•	•	•	•	•						•	•												

2.4.2



Air Monitoring

(WMD Chemical Dedicated Instruments)

Blister Agent, Lewisite



	NERVE AGENTS	BLISTER AGENTS	LEWISITE	BLOOD AGENTS	CHOKING AGENTS	INCAPACITATING	TIC's	VX	Vx	SO ₂	CL ₂	NH ₃	HNO ₂	HF	RDX	TNT	PETN	SEMTEX	TATP	Ammonium Nitrate	COCAINE	HEROIN	THC	METHAMPHETAMINE	GAMMA
AP4C	•	•	•	•	•	•	•	•	•	•	•	•	•												
APD 2000	•	•	•			•																			
CAM	•	•		•	•																				
CAM FAM	•	•		•	•																				
E-CAM	•	•		•	•		•																		
HAZMATCAD	•	•		•	•																				
HGVI	•	•		•	•		•																	•	
J-CAD ChemSentry	•	•		•				P	O	O	R	C	H	O	I	C	E								
LCD 3.2E	•	•		•	•		•																		
LCD FR	•	•		•	•		•																		
RAE chemRAE	•	•		•																					
RAID-M	•	•	•			•																			
SABRE FR	•	•		•				•	•	•	•	•	•	•											
SABRE 4000	•	•		•	•			•	•							•	•	•	•	•	•	•	•	•	•
ChemPro100i	•	•	•	•	•	•					•	•													

2.4.3



Air Monitoring

(WMD Chemical Dedicated Instruments)

Blood Agents



	NERVE AGENTS	BUSTLE AGENTS	LEWISITE	BLOOD AGENTS	CHOKING AGENTS	INCAPACITATING	TIC's	VX	Vx	SO ₂	CL ₂	NH ₃	HNO ₂	HF	RDX	TNT	PETN	SEMTEX	TATP	Ammonium Nitrate	COCAINE	HEROIN	THC	METHAMPHETAMINE	GAZMIA
AP4C	•	•	•	•	•	•	•	•	•	•	•	•													
APD 2000	•	•	•			•																			
CAM	•	•	•	•	•																				
CAM FAM	•	•	•	•	•																				
E-CAM	•	•	•	•	•		•																		
HAZMATCAD	•	•	•	•	•																				
HGVI	•	•	•	•	•		•																	•	
J-CAD ChemSentry	•	•	•							P	O	O	R	C	H	O	I	C	E						
LCD 3.2E	•	•	•	•	•		•																		
LCD FR	•	•	•	•	•		•																		
RAE chemRAE	•	•	•	•	•																				
RAID-M	•	•	•	•	•	•																			
SABRE FR	•	•	•	•	•			•	•	•	•	•	•	•											
SABRE 4000	•	•	•	•	•			•	•							•	•	•	•	•	•	•	•	•	•
ChemPro100i	•	•	•	•	•	•						•	•												

2.4.4



Air Monitoring

(WMD Chemical Dedicated Instruments)

Choking/Vomiting Agents



	NERVE AGENTS	BLISTER AGENTS	LEWISITE	BLOOD AGENTS	CHOKING AGENTS	INCAPACITATING	TIC's	VX	Vx	SO ₂	CL ₂	NH ₃	HNO ₂	HF	RDX	TNT	PETN	SEMTEX	TATP	Ammonium Nitrate	COCAINE	HEROIN	THC	METHAMPHETAMINE	GLASS
AP4C	•	•	•	•	•	•	•	•	•	•	•	•													
APD 2000	•	•	•			•																			
CAM	•	•	•	•	•																				
CAM FAM	•	•	•	•	•																				
E-CAM	•	•	•	•	•		•																		
HAZMATCAD	•	•	•	•	•																				
HGVI	•	•	•	•	•		•																	•	
J-CAD ChemSentry	•	•	•					P	O	O	R	C	H	O	I	C	E								
LCD 3.2E	•	•	•	•	•		•																		
LCD FR	•	•	•	•	•		•																		
RAE chemRAE	•	•	•	•	•																				
RAID-M	•	•	•	•	•	•																			
SABRE FR	•	•	•	•	•			•	•	•	•	•	•	•											
SABRE 4000	•	•	•	•	•			•	•							•	•	•	•	•	•	•	•	•	•
ChemPro100i	•	•	•	•	•	•						•	•												

2.4.5



Air Monitoring

(WMD Chemical Dedicated Instruments)

Incapacitating Agents



	NERVE AGENTS	BLISTER AGENTS	LEWISSITE	BLOOD AGENTS	CHOKING AGENTS	INCAPACITATING	TIC's	VX	Vx	SO ₂	CL ₂	NH ₃	HNO ₂	HF	RDX	TNT	PETN	SEMTEX	TATP	Ammonium Nitrate	COCAINE	HEROIN	THC	METHAMPHETAMINE	GAZMIA
AP4C	•	•	•	•	•	•	•	•	•	•	•	•													
APD 2000	•	•	•			•																			
CAM	•	•	•	•	•																				
CAM FAM	•	•	•	•	•																				
E-CAM	•	•	•	•	•		•																		
HAZMATCAD	•	•	•	•	•																				
HGVI	•	•	•	•	•																			•	
J-CAD ChemSentry	•	•	•							P	O	O	R	C	H	O	I	C	E						
LCD 3.2E	•	•	•	•	•		•																		
LCD FR	•	•	•	•	•		•																		
RAE chemRAE	•	•	•																						
RAID-M	•	•	•		•	•																			
SABRE FR	•	•	•	•				•	•	•	•	•	•	•											
SABRE 4000	•	•	•	•	•			•	•						•	•	•	•	•	•	•	•	•	•	•
ChemPro100i	•	•	•	•	•	•						•	•												

2.4.6

Air Monitoring

(WMD Chemical Dedicated Instruments)

Calibration Kit(s):

(Items 2.4.1, 2.4.2, 2.4.3, 2.4.4, 2.4.5 & 2.4.6)

(WMD Chemical Dedicated Instruments)



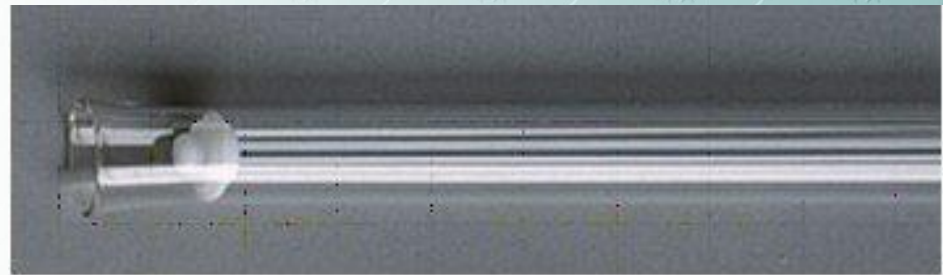
2.4.7



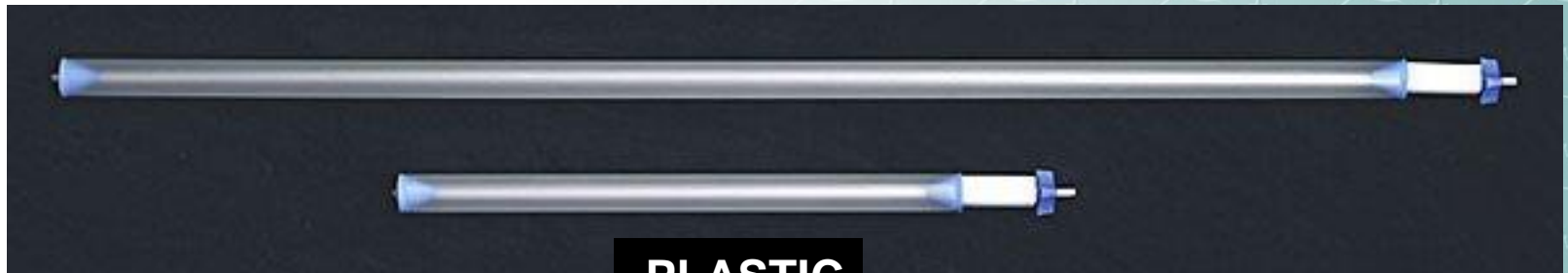
Sampling

(Substance Capture and Bulk Transfer)

COLIWASA TUBES (Disposable)



COLIWASA TUBES, 39" to 43" long
Disposable Glass or Clear Plastic, Single Use



PLASTIC

3.1.1

Sampling

(Substance Capture and Bulk Transfer)

COLIWASA TUBES

(Re-Usable)

Can Be Selected In Lieu of
Item # 3.1.1



COLIWASA TUBES, 39" to 43" long
Teflon, Multi-Use



3.1.2

Sampling

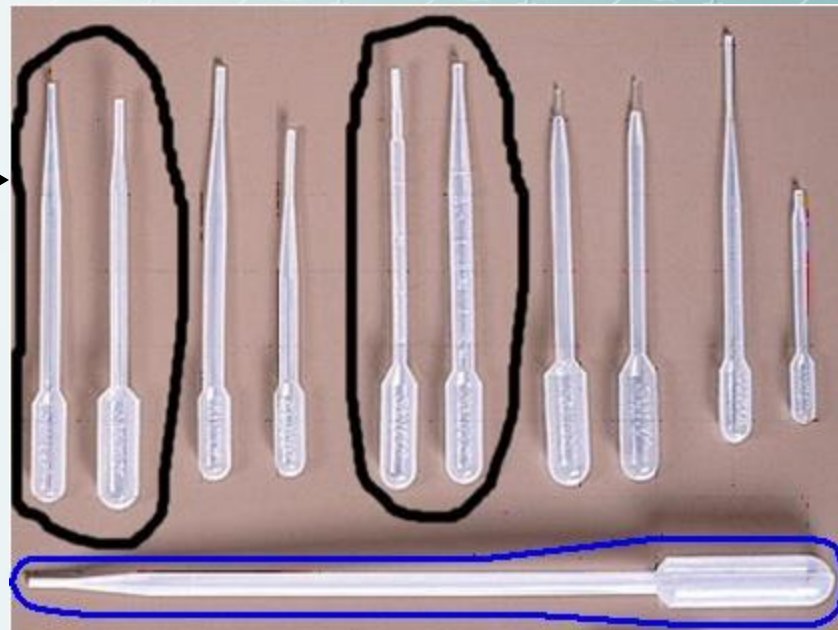
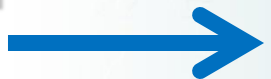
(Substance Capture and Bulk Transfer)

PIPETTES, Transfer
(Plastic, Small 5 to 8 ml)



OR

PIPETTE, Transfer
(Plastic, Large up to 22 ml)



100 total – mix or match

3.1.5

Sampling

(Substance Capture and Bulk Transfer)

OPTIONAL ITEM

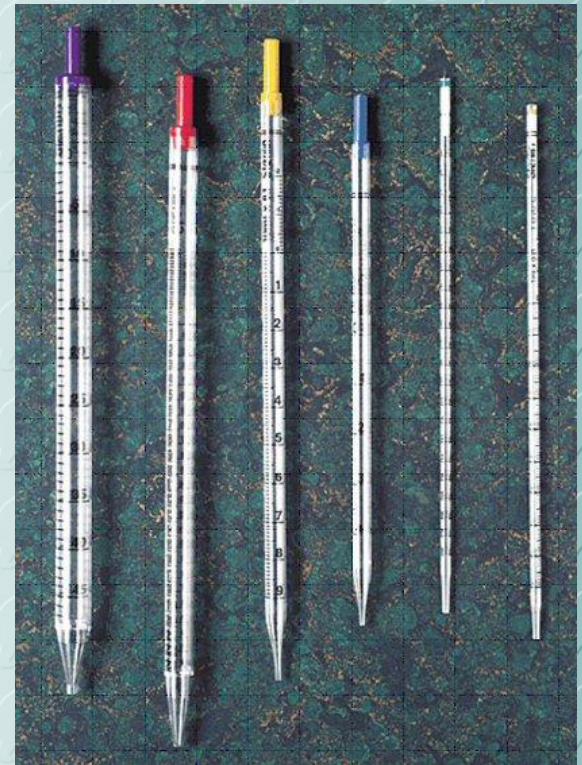
PIPETTE, Transfer, Graduated (With Bulb)



Pipette Squeeze Bulbs or Fillers



Safety Pipet



Graduated Pipettes, Nominal 12" long, Glass or Plastic

3.1.7

Sampling

(Substance Capture and Bulk Transfer)

OPTIONAL ITEM

PIPETTE, Transfer, Graduated
(Plunger Style)



3.1.9 (Optional for Item # 3.1.6)

Sampling

(Substance Capture and Bulk Transfer)

TEST TUBES, Disposable



3.1.10

Sampling

(Substance Capture and Bulk Transfer)

SWAB, Sterile, Single Use

Single dry culture swab with polyester tip (not cotton) in polystyrene protective shaft.



Need Minimum of 6

NOTE: This “new” item took the place of the fibreglass cloth (rev. 2012)

3.1.11

Sampling

(Substance Capture and Bulk Transfer)

SPONGES, Sealed for surface swipe sample

Need Minimum of 2



3.1.12



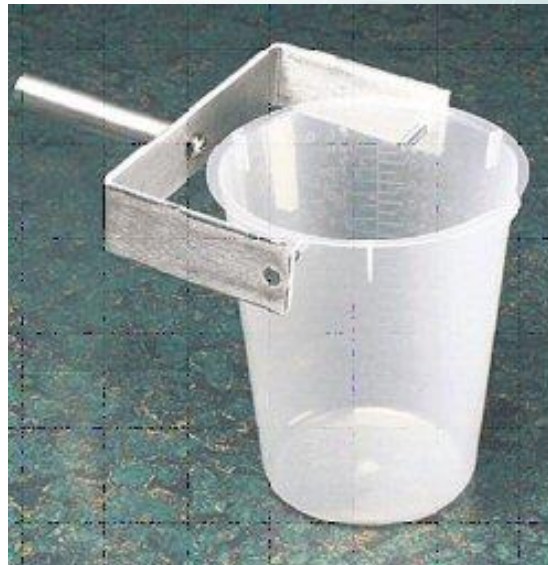
Sampling

(Substance Capture and Bulk Transfer)

ENVIRONMENTAL DIPPER (Telescopic)



DIPPER, Grab-Sampler, Glass, Telescopic



DIPPER, Open Cup, Plastic, Telescopic



DIPPER, Telescopic to nominal 20' to 24'

3.1.15

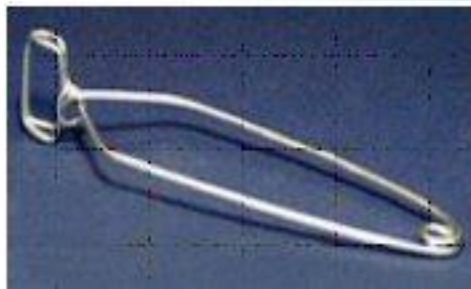
Sampling

(Substance Capture and Bulk Transfer)

TONGS, Beaker, or Crucible – Metal, PTFE Coated



TONGS, Test Tube



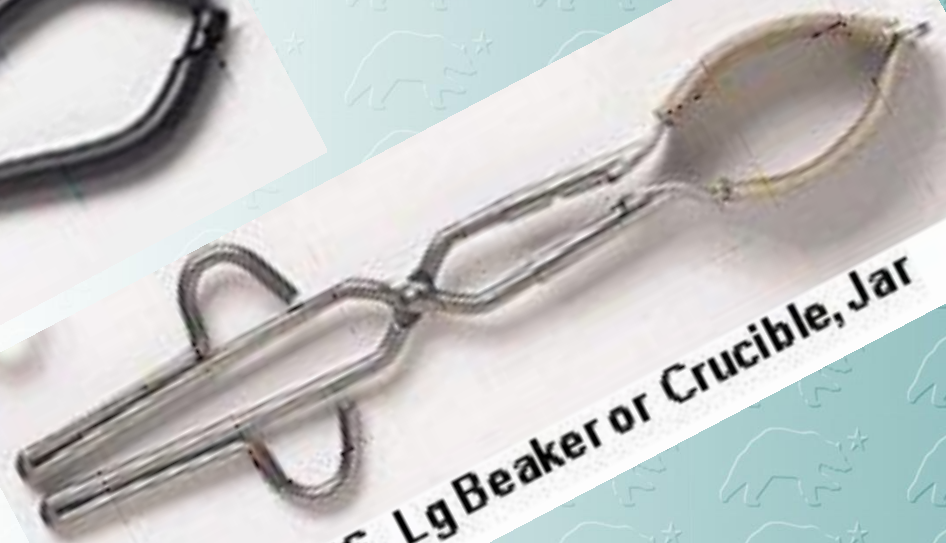
TONGS, Crucible, Lg Test Tube

3.1.16

Sampling

(Substance Capture and Bulk Transfer)

TONGS, Beaker, or Crucible – Metal, Plastic or Rubber Coated



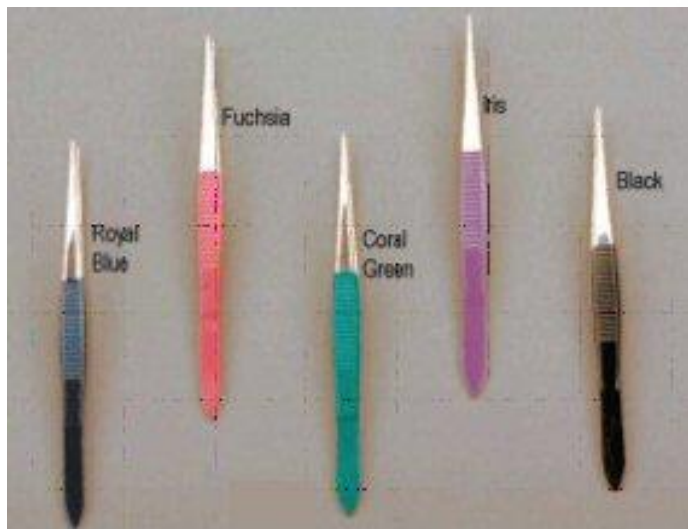
TONGS, Lg Beaker or Crucible, Jar

3.1.17

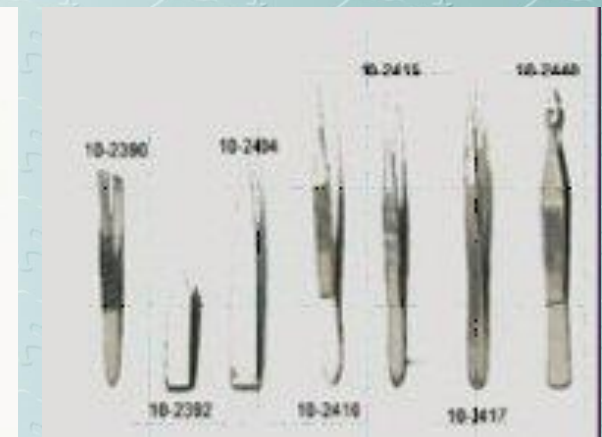
Sampling

(Substance Capture and Bulk Transfer)

FORCEPS



FORCEPS, Teflon Coated



3.1.19

Sampling

(Substance Capture and Bulk Transfer)

FUNNEL, Disposable or Reusable (Glass, Plastic, or Metal)



FUNNEL, DISPOSABLE, Glass



FUNNEL, DISPOSABLE, Plastic



FUNNELS, Chrome or Stainless Steel

Sampling

(Substance Capture and Bulk Transfer)

SPATULA, Sampling ("V" Shape)



3.1.24

SPATULA, Sampling (Micro Sampling)



SPATULA, Micro, Sampling

3.1.25

Sampling

(Substance Capture and Bulk Transfer)

SPOONS, Plastic, disposable, long handle

**Must have total
of 12**

**Representing all
Four sizes**

$\frac{1}{4}$ Teaspoon

$\frac{1}{2}$ Teaspoon

1 Teaspoon

1 Tablespoon



3.1.26



Sampling

(Substance Capture and Bulk Transfer)

SCOOPS: Need Only One of the Following Sizes



Small 2 oz. – Item 3.1.27



Medium 4 oz. – Item 3.1.28



Large 8 oz – Item 3.1.29



3.1.27 & 3.1.28 & 3.1.29

Sampling

(Bulk Liquid Transfer - Mechanical)

PUMP, Siphon, Drum
(Heavy Duty – Stainless Steel)

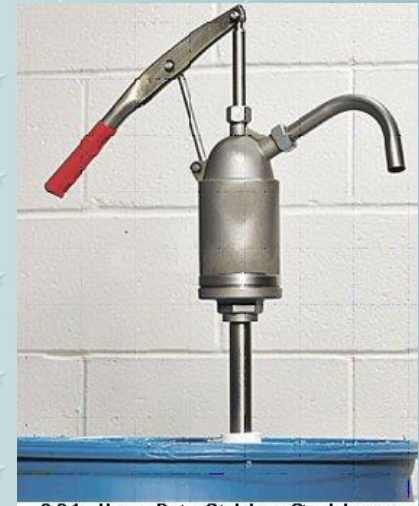
(Need – Only One of 3.2.1;
3.2.2; or 3.2.3)



3.2.1 - Heavy Duty, Steel, Diaphragm

If electrically
powered - - -
MUST be UL
Intrinsically Safe

Label **MUST**
be attached



3.2.1 - Heavy Duty, Stainless Steel, Lever

3.2.1

Sampling

(Bulk Liquid Transfer - Mechanical)

PUMP, Siphon, Drum

(Heavy Duty - PVC)

(Need – Only One of 3.2.1;
3.2.2; or 3.2.3)



3.2.2 - Heavy Duty PVC and STEEL, Lever Action



3.2.2 - Heavy Duty, PVC, Piston

If electrically
powered - - -
MUST be UL
Intrinsically Safe

Label **MUST**
be attached

3.2.2

Sampling

(Bulk Liquid Transfer - Mechanical)

PUMP, Rotary, Transfer (Metal)

(Need – Only One of 3.2.1;
3.2.2; or 3.2.3)

If electrically
powered - - -
MUST be UL
Intrinsically Safe

Label **MUST**
be attached



3.2.3 - Heavy Duty, Metal, Rotary - for Petroleum Products

3.2.3

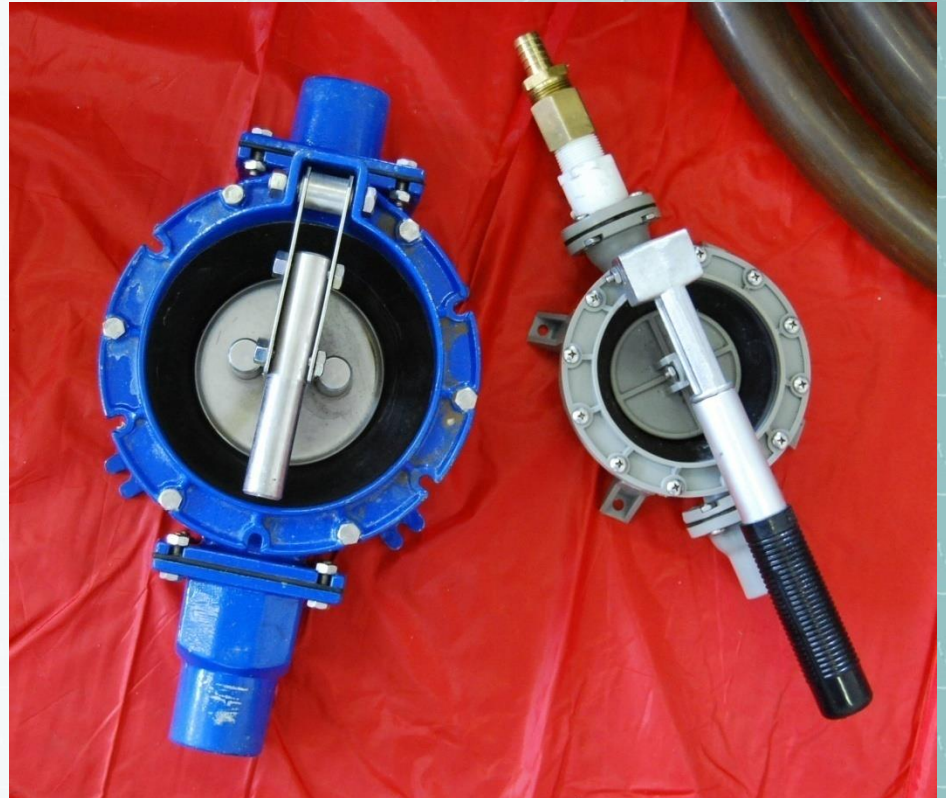
Sampling

(Bulk Liquid Transfer - Mechanical)

Pump, Diaphragm (Hand or Foot Operated)



Diaphragm Pump, 15 GPM



3.2.7

Sampling

(Containerization, Labeling, Documentation)

MUST MEET EPA CLEAN PROTOCOL “B” (Also known as Class 2000)

I-CHEM Protocol “B” jars have blue or aqua blue Teflon lids

Thermo-Scientific “B” jars have white Teflon lids

SAMPLE JARS, Sterile
(Clear, 4 to 8 oz)



Should **only be stored** in their original shipping box, as there is a quality-assurance lot number on the box. Each box also includes a **CERTIFICATE**, which **SHOULD NOT BE THROWN AWAY**

SAMPLE JARS, Sterile
(Amber, 4 to 8 oz)



3.3.2 & 3.3.4

Sampling

(Containerization, Labeling, Documentation)
OPTIONAL ITEM (2016 SEL)

MUST MEET EPA CLEAN PROTOCOL “B” (Also known as Class 2000)

I-CHEM Protocol “B” jars have blue or aqua blue Teflon lids

Thermo-Scientific “B” jars have white Teflon lids

SAMPLE VIALS, Sterile
(Clear)



Should only be stored in their original shipping box, as there is a quality-assurance lot number on the box. Each box also includes a **CERTIFICATE**, which **SHOULD NOT BE THROWN AWAY**



Sampling

(Containerization, Labeling, Documentation)

STOPPERS, Conical (Rubber, Neoprene, or Silicone)



RUBBER STOPPERS, Solid



PLASTICOID, Solid



SILICONE, Solid



CLEAR SILICONE



NEOPRENE, Solid



GUM RUBBER, Solid

Sampling

(Containerization, Labeling, Documentation)

BAGS, Plastic

(Zipper-Loc Type – Kit of 24 total of at least 3 different sizes)



SMALL – Nominal 3" x 3"



MEDIUM – Nominal 6" x 6"



LARGE – Nominal 8" x 8"

Sampling

(Containerization, Labeling, Documentation)

BAGS, Evidence (Tamper-Proof)



3.3.10

Sampling

(Containerization, Labeling, Documentation)

LABELS, Ordinary, Blank



VERY Mailing Labels



FILE Labels



I-CHEM Labels


Sampling

(Containerization, Labeling, Documentation)


OPTIONAL ITEM


LABELS, NFPA Data, Blank

PRODUCT IDENTIFIER

	Substance Name _____
	MSDS # _____
	Remarks _____

REFER TO MATERIAL SAFETY DATA SHEET

	_____	
	CHEMICAL	
	OWNER	DATE


Chemical Name
Custom Text
CAS# -

**THIS ITEM MEETS THE
REQUIREMENTS FOR
S.E.L. ITEM # 3.3.11**

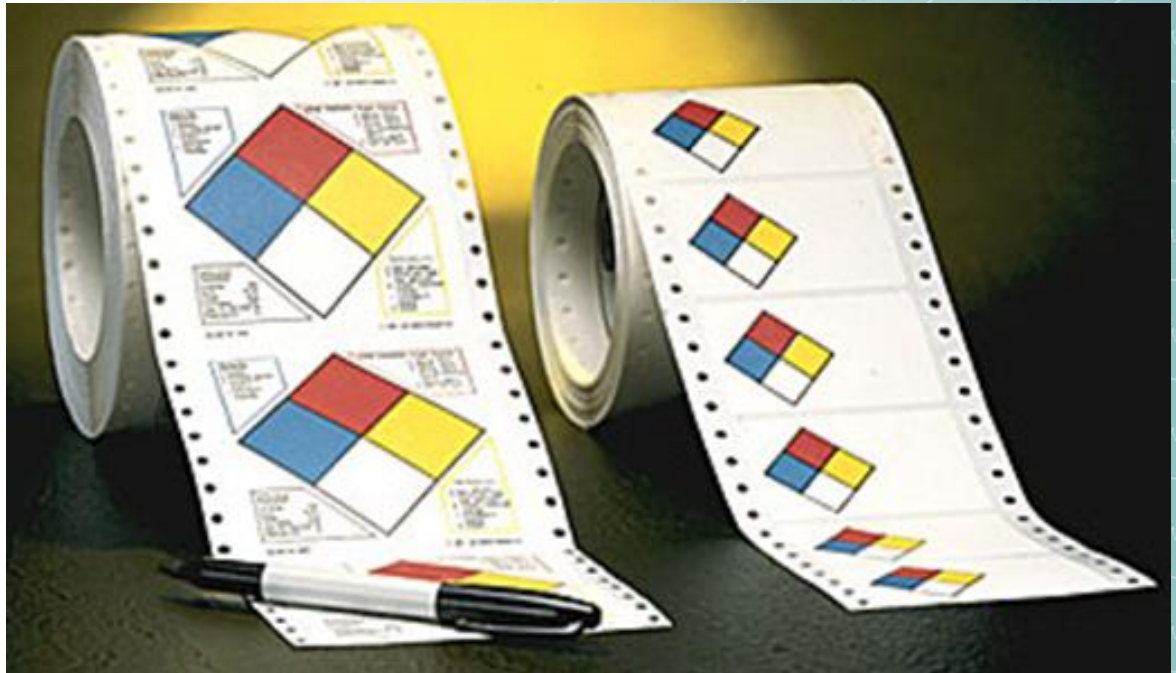
3.3.12 (Optional for Item # 3.3.11)

Sampling

(Containerization, Labeling, Documentation)

OPTIONAL ITEM

LABELS, NFPA Data, Rolls



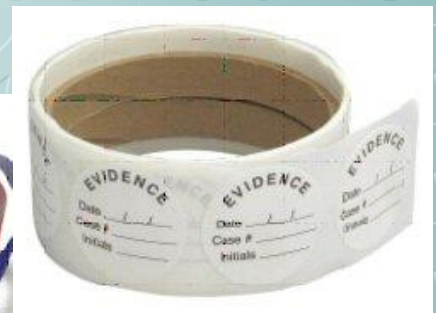
THIS ITEM MEETS THE
REQUIREMENTS FOR
S.E.L. ITEM # 3.3.11

3.3.14 (Optional for Item # 3.3.11)

Sampling

(Containerization, Labeling, Documentation)

LABELS, Evidence Seals



3.3.15

Sampling

(Containerization, Labeling, Documentation)

PENS, Marking (Paint)



PENS, Paint, Permanent

3.3.16

Sampling

(Containerization, Labeling, Documentation)

PENS, Marking (Indelible)



3.3.17

Sampling

(Containerization, Labeling, Documentation)

FORMS, Chain of Evidence

Two clear plastic evidence bags are shown. The top bag is labeled 'EVIDENCE' and 'CHAIN OF POSSESSION'. The bottom bag is labeled 'CITY OF SPRINGFIELD POLICE DEPARTMENT' and 'CHAIN OF POSSESSION'. Both bags have a grid for recording evidence items.

A 'Chain of Possession' form with a header 'Chain of Possession'. It contains fields for 'Received from', 'By', 'Date', 'Time', 'Received from', 'By', 'Date', 'Time', 'Received from', 'By', 'Date', 'Time'. It also has a section for 'Chain of Possession' with a grid for recording evidence items.

A yellow evidence bag with a 'CHAIN OF CUSTODY' form attached. The form has a header 'EVIDENCE' and 'CHAIN OF CUSTODY'. It contains fields for 'Case #', 'Inventory #', 'Description of Evidence', 'Victim's Full Name', 'Suspect's Full Name', 'Evidence Recovered By', 'Evidence Bag Sealed By', 'Date Sealed', 'Time Sealed', 'Place #', 'Cell #', 'Box #'. It also has a section for 'CHAIN OF CUSTODY' with a grid for recording evidence items.

A clear plastic evidence bag with a 'CHAIN OF CUSTODY' form attached. The form has a header 'EVIDENCE' and 'CHAIN OF CUSTODY'. It contains fields for 'Case #', 'Inventory #', 'Description of Evidence', 'Victim's Full Name', 'Suspect's Full Name', 'Evidence Recovered By', 'Evidence Bag Sealed By', 'Date Sealed', 'Time Sealed', 'Place #', 'Cell #', 'Box #'. It also has a section for 'CHAIN OF CUSTODY' with a grid for recording evidence items.

3.3.18

Sampling

(Photo, Assessment & Reconnaissance)

CAMERA, Instant Print Images, or
Digital Technology Transferable to Computer To Be Printed



High End



Low End

3.3.19 or 3.3.20

Sampling (Transportation)

CONTAINER, Biological (Plastic)



Infectious Substance Shipper

Saf-T-Pak STP-100 is a Packaging system which is suitable for safe, legal transport of any Infectious Substance by any mode.

The package bears certification markings for national and international shipment.

Conforms to ICAO Packing Instruction 602, Infectious Substances.

Conforms to United Nations Recommendations.

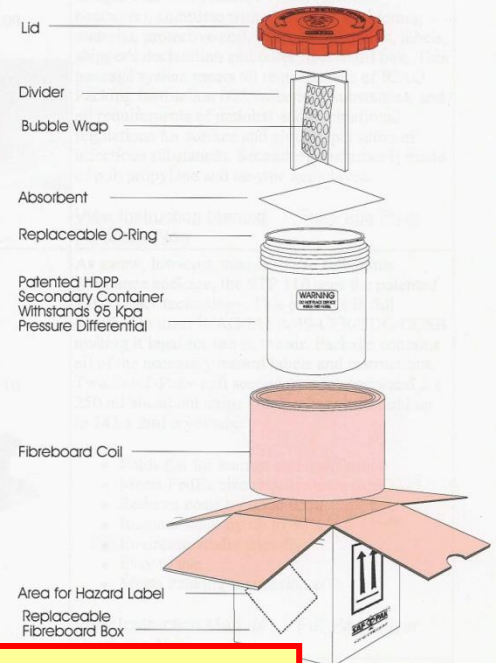
Conforms to CFR 49.

Conforms to Transport Canada TC-125-1A

The secondary container is made of polypropylene and may be autoclaved.

TC-125-1A/8-2

U 4G CLASS 6 2/97
CAN/8-2 SAF-T-PAK



Models STP 100 & 310

3.4.1

Radiation Monitoring /Detection

(Gamma, Beta, and Alpha Detection & Survey)

Item 4.1.1

Gamma Survey Capability

Item 4.1.2

Beta Survey Capability

Item 4.1.3

Alpha Survey Capability



4.1.1 & 4.1.2 & 4.1.3

Radiation Monitoring/Detection

(Gamma, Beta, and Alpha Detection & Survey)

OPTIONAL ITEM

Combination Survey, All-In-One

(Alpha, Beta, Gamma)



**THIS ITEM MEETS THE
REQUIREMENTS FOR
S.E.L. ITEMS
4.1.1, 4.1.2, & 4.1.3**



4.1.5 (Optional for Items # 4.1.1, 4.1.2, & 4.1.3)

Radiation Monitoring /Detection

(Radionuclide Detection)

RADIO-NUCLIDE Detection



4.2.1

Radiation Monitoring /Detection (Dosimeters)

DOSIMETER, Direct Reading



4.3.1

Radiation Monitoring/Detection (Dosimeters)

DOSIMETER, Electronic with Alarm



**THIS ITEM MEETS THE
REQUIREMENTS FOR
S.E.L. ITEM # 4.3.1**



4.3.3 (Optional for Item # 4.3.1)

Chemical Protective Clothing (Vapor Protective)

VAPOR PROTECTIVE, Ensemble (NFPA 1991 Industrial Chemicals)

Type 1 & 2 Teams



NFPA 1991 CERTIFIED VAPOR PROTECTIVE SUIT

SEI Cert. Mod. (NFPA)

MODEL # TRELLCHEM® VPS Size XXL.

SERIAL # 408861.

DATE OF COMPLIANCE TESTING TO ASTM F 1052 /
DATE OF MANUFACTURE 2007-06-07.

GARMENT MATERIAL: TRELLCHEM® VPS
VISOR MATERIAL: 2 MM HIGH IMPACT PVC
GLOVE: KEVLAR OUTER GLOVE / RUBBER GLOVE / MULTILAYER
INNER GLOVE
FOOTWEAR ITEM: TRELLCHEM® VPS SOCK

THIS VAPOR PROTECTIVE ENSEMBLE MEETS THE BASIC REQUIREMENTS OF NFPA 1991, STANDARD ON VAPOR-PROTECTIVE ENSEMBLES FOR HAZARDOUS MATERIALS EMERGENCIES, 2005 EDITION, AND ANY ADDITIONAL REQUIREMENTS AS NOTED BELOW.
THE TECHNICAL DATA PACKAGE CONTAINS INFORMATION ON CHEMICALS AND SPECIFIC CHEMICAL MIXTURES FOR WHICH THIS ENSEMBLE IS CERTIFIED. CONSULT TECHNICAL DATA PACKAGE AND MANUFACTURER'S INSTRUCTIONS BEFORE USE.

DO NOT REMOVE THIS LABEL.

5.1.1

Chemical Protective Clothing (Vapor Protective)

VAPOR PROTECTIVE, Ensemble (NFPA 1991 WMD Chem/Bio Protection)

Type 1 Team Only



Effective with the 2005 Edition of Standard # 1991, NFPA now has included the WMD test battery of chemicals and permeation tests, in addition to the Industrial test battery of chemicals and permeation tests.


This makes any NFPA Standard 1991 (after year 2005) automatically compliant with the SEL Item # 5.1.4.

(Previous to year 2005, the WMD certification was a separate “upgrade” requiring a specific request during purchase)

5.1.4


Chemical Protective Clothing (Vapor Protective)

VAPOR PROTECTIVE, Ensemble (NFPA 1994 WMD Chem/Bio Protection, Class 1 or Class 2)

 **LION APPAREL**
Protective Systems Group

Questions, write or call immediately:
Lion Apparel, Protective Systems Group,
P.O. Box 13576 Dayton OH 45413. 1-800-421-2926

6102 004



THIS LIQUID SPLASH-PROTECTIVE GARMENT MEETS THE BASIC REQUIREMENTS OF NFPA 1992, STANDARD ON LIQUID SPLASH- PROTECTIVE ENSEMBLES AND CLOTHING FOR HAZARDOUS MATERIALS EMERGENCIES, 2005 EDITION, AND FOR THE ADDITIONAL REQUIREMENTS IF INDICATED BELOW.

ADDITIONAL REQUIREMENT	YES	NO
LIMITED FLASH FIRE PROTECTION FOR <i>ESCAPE ONLY</i> IN THE EVENT OF A CHEMICAL FLASH FIRE		<input checked="" type="checkbox"/>
THE TECHNICAL DATA PACKAGE CONTAINS INFORMATION ON CHEMICALS AND SPECIFIC CHEMICAL MIXTURES FOR WHICH THIS GARMENT IS CERTIFIED. CONSULT THE TECHNICAL DATA PACKAGE AND MANUFACTURER'S INSTRUCTIONS BEFORE USE. DO NOT REMOVE THIS LABEL.		
THIS CLASS 2 NON-ENCAPSULATING CHEMICAL/BIOLOGICAL PROTECTIVE ENSEMBLE MEETS THE REQUIREMENTS OF NFPA 1994, STANDARD ON PROTECTIVE ENSEMBLES FOR CHEMICAL/BIOLOGICAL TERRORISM INCIDENTS, 2001 EDITION, FOR THE ABOVE-NOTED CLASS. This Class 2 ensemble is designed for use at incidents where it is necessary to provide sufficient vapor protection for the intended operation, where direct contact of liquid droplets is probable; and where victims are symptomatic and nonambulatory.		
The technical data package contains information on chemical/biological agents for which this garment is certified. Consult the technical data package and manufacturer's instructions before use.		
FOR COMPLIANCE WITH NFPA 1992, THE FOLLOWING ADDITIONAL COMPONENTS MUST BE WORN IN CONJUNCTION WITH THIS LIQUID SPLASH-PROTECTIVE GARMENT: LION WARHORSE I OR II AND GORE 69492 OVERGLOVE.		
TO BE COMPLIANT WITH NFPA 1994, THE FOLLOWING ADDITIONAL COMPONENTS MUST BE WORN IN CONJUNCTION WITH THIS CHEMICAL OR BIOLOGICAL INCIDENT ENSEMBLE: LION WARHORSE I OR II AND GORE G9492 OVERGLOVE.		
To reduce the risk of injury or death, you must assemble and wear together ALL of the above items. Always make sure that all ensemble layers have the proper overlap and that all items fit properly. Reference the <u>User Instruction, Safety and Training Guide</u> for proper donning and wearing instructions.		
DO NOT REMOVE THIS LABEL.		



Chemical Protective Clothing (Vapor Protective)

PRESSURE TEST, Kit (NFPA 1991; ASTM F-1052)



5.1.6

Chemical Protective Clothing (Liquid Splash Protective)

**LIQUID-SPLASH PROTECTIVE,
(NFPA 1992 Industrial Chemicals)**

- OR -

**LIQUID SPLASH-PROTECTIVE,
(NFPA 1994 Class 3 WMD Chem/Bio Protection)**

LION APPAREL
Protective Systems Group

Questions, write or call immediately:
Lion Apparel, Protective Systems Group
PO. Box 13576 Dayton OH 45413 1-800-421-2926

6102 004

SEI

THIS LIQUID SPLASH-PROTECTIVE GARMENT MEETS THE BASIC REQUIREMENTS OF NFPA 1992, STANDARD ON LIQUID SPLASH-PROTECTIVE ENSEMBLES AND CLOTHING FOR HAZARDOUS MATERIALS EMERGENCIES, 2005 EDITION, AND FOR THE ADDITIONAL REQUIREMENTS IF INDICATED BELOW.

ADDITIONAL REQUIREMENT	YES	NO
LIMITED FLASH FIRE PROTECTION FOR ESCAPE ONLY IN THE EVENT OF A CHEMICAL FLASH FIRE		✓

THE TECHNICAL DATA PACKAGE CONTAINS INFORMATION ON CHEMICALS AND SPECIFIC CHEMICAL MIXTURES FOR WHICH THIS GARMENT IS CERTIFIED. CONSULT THE TECHNICAL DATA PACKAGE AND MANUFACTURER'S INSTRUCTIONS BEFORE USE. DO NOT REMOVE THIS LABEL.

THIS CLASS 2 NON-ENCAPSULATING CHEMICAL/BIOLOGICAL PROTECTIVE ENSEMBLE MEETS THE REQUIREMENTS OF NFPA 1994, STANDARD ON PROTECTIVE ENSEMBLES FOR CHEMICAL/BIOLOGICAL TERRORISM INCIDENTS, 2001 EDITION, FOR THE ABOVE-NOTED CLASS.

This Class 2 ensemble is designed for use at incidents where it is necessary to provide sufficient vapor protection for the intended operation, where direct contact of liquid droplets is probable, and where victims are symptomatic and nonambulatory.

The technical data package contains information on chemical/biological agents for which this garment is certified. Consult the technical data package and manufacturer's instructions before use.

ThermoPro
Tychem ThermoPro Fabric

SEI

CERTIFIED MODEL
NFPA 2112, 2007 EDITION
NFPA 1992, 2005 EDITION

WARNING !
FAILURE TO COMPLY WITH THIS WARNING
RESULT IN SERIOUS INJURY OR DEATH.

THIS FLAME-RESISTANT GARMENT MEETS THE REQUIREMENTS OF NFPA 2112, STANDARD ON FLAME-RESISTANT GARMENTS FOR PROTECTION OF INDUSTRIAL PERSONNEL AGAINST FLASH FIRE, 2007 EDITION.

THIS LIMITED USE GARMENT IS INTENDED FOR FLASH FIRE ESCAPE, ELECTRIC ARC AND LIQUID SPLASH PROTECTION ONLY. THIS GARMENT DOES NOT PROVIDE PRIMARY PROTECTION FOR ANY FIREFIGHTING ACTIVITIES. THIS GARMENT IS NOT SUITABLE FOR USE WITH SOME CHEMICALS AND HAZARDOUS AGENTS. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE LEVEL OF RISK AND THE PROPER PERSONAL PROTECTION NEEDED.

THIS LIQUID SPLASH-PROTECTIVE GARMENT MEETS THE BASIC REQUIREMENTS OF NFPA 1992, STANDARD ON LIQUID SPLASH-PROTECTIVE ENSEMBLES AND CLOTHING FOR HAZARDOUS MATERIALS EMERGENCIES, 2005 EDITION, AND FOR THE ADDITIONAL REQUIREMENTS IF INDICATED BELOW.

ADDITIONAL REQUIREMENT	YES	NO
------------------------	-----	----

**Some CPC Garments Might
Earn TWO NPFA Certifications**

5.2.1 or 5.2.2

Chemical Protective Clothing (Liquid Splash Protective)

LIMITED or SINGLE USE, Splash Protective
(Disposable)

**Can be Jumpsuit Style,
Apron type, or Two
Piece Ensemble**



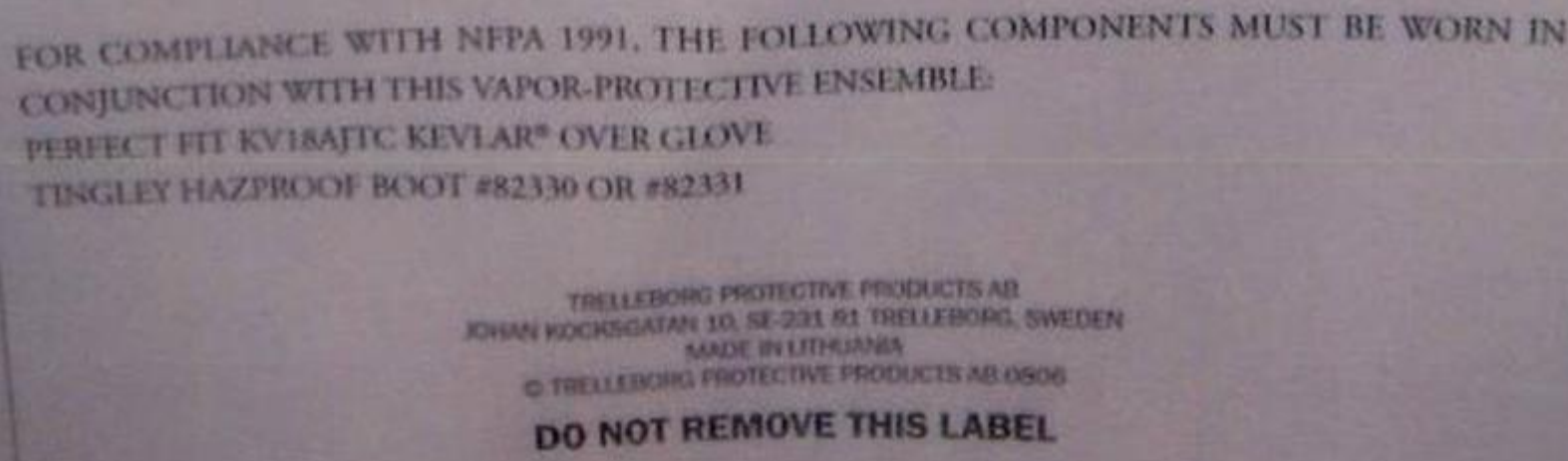
5.3.1

Ancillary Protective Equipment (Hand Protection)

GLOVES, Replacement (for Vapor Protective NFPA 1991 Ensembles)

Replacement outer glove **MUST BE THAT** as recommended or provided by the manufacturer of the 1991 garment ensemble.

GENERIC NOT ACCEPTABLE



6.1.1

Ancillary Protective Equipment (Hand Protection)

GLOVES, Replacement (for Liquid Splash-Protective NFPA 1992 Garments)

Replacement outer glove **MUST**
BE THAT as recommended or
provided by the manufacturer of
the garment ensemble

OR

A glove that has been tested and
has been certified to NFPA
Standard # 1992.

Generic not acceptable



BEST # 727 – Un-flocked
BEST # 730 – Flocked

6.1.2

Ancillary Protective Equipment (Hand Protection)

GLOVES, Under-Glove (for Vapor Protective NFPA 1991 Ensembles)



Ancillary Protective Equipment (Hand Protection)

GLOVES, High Temperature
(1,000° F Protection)
(Need 2 Pair)



800 to 1000° F Direct
Contact for 1
Minute

6.1.4

Ancillary Protective Equipment

(Hand Protection)

OPTIONAL ITEM

GLOVES, High Temperature (2,000° F Protection)



**THIS ITEM MEETS THE
REQUIREMENTS FOR
S.E.L. ITEM # 6.1.4**



**1500 to 2000° F Direct
Contact for 1
Minute**



6.1.5 (Optional for Item # 6.1.4)

Ancillary Protective Equipment (Hand Protection)

GLOVES, Cryogenic, Long Gauntlet

(Ultra-Cold to -260°F – 16" Minimum)
(Need 2 pair)



NOT ACCEPTABLE



12" to 14"

MARGINAL



Elbo Gauntlet - Acceptable

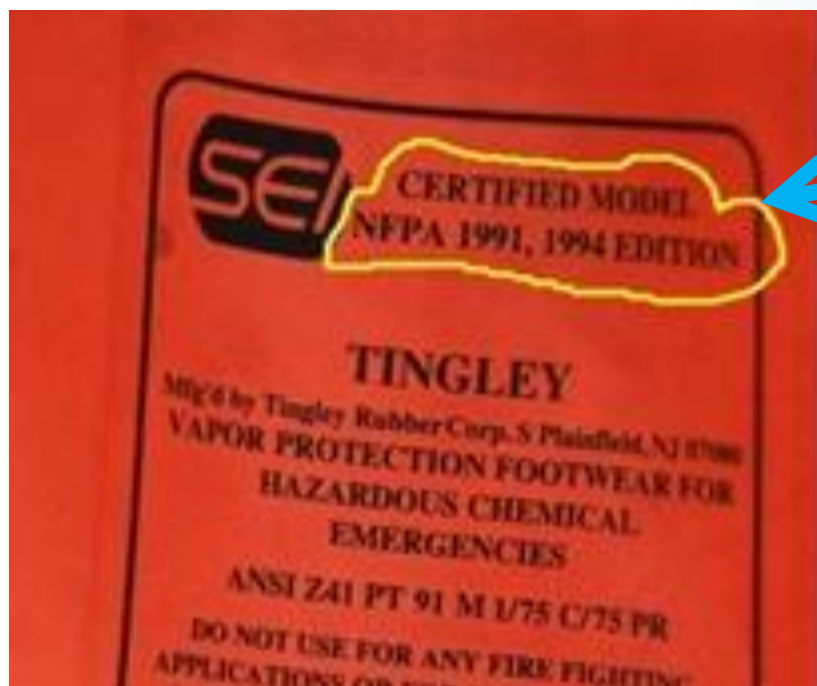


BEST

6.1.6

Ancillary Protective Equipment (Foot Protection)

BOOTS, Over-Boot, Chemical Resistant
(Compliant to NFPA Standard 1991)



6.2.1

Ancillary Protective Equipment

(Foot Protection)

OPTIONAL ITEM

BOOTIE, Outer-Protective
(Disposable)



Changed from “R” to “Opt” 2012

6.2.2

Ancillary Protective Equipment (Head and Eye Protection)

HEAD PROTECTION, Helmet

**Must Be ANSI
Helmet Standard Z-89.1
Compliant
(Construction Standard)**



HC32BL



6.3.1

Ancillary Protective Equipment (Head and Eye Protection)

EYE PROTECTION, Goggles

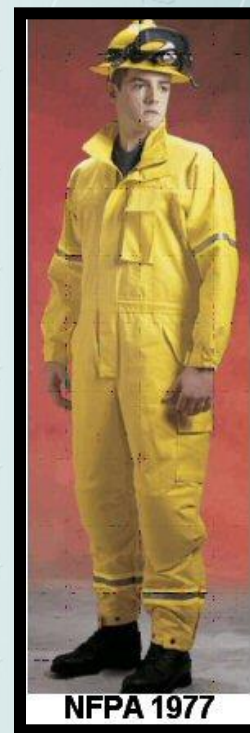
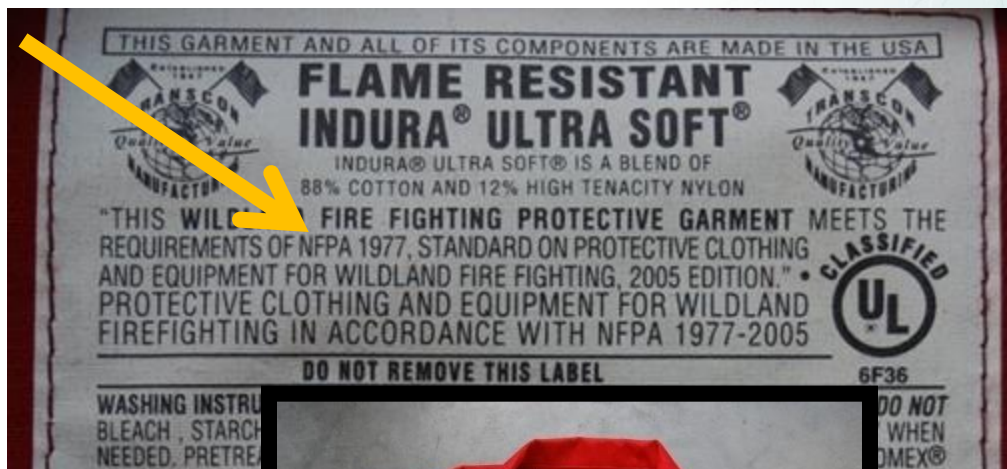
Compliant to ANSI
Goggle Standard Z-87.1



6.3.2

Ancillary Protective Equipment (Support Systems)

UNDERGARMENT, Fire Resistant (NFPA 2112, or 1975, or 1977)



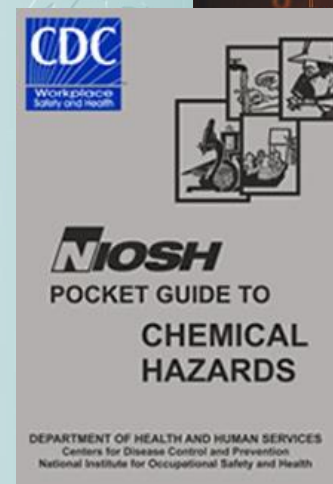
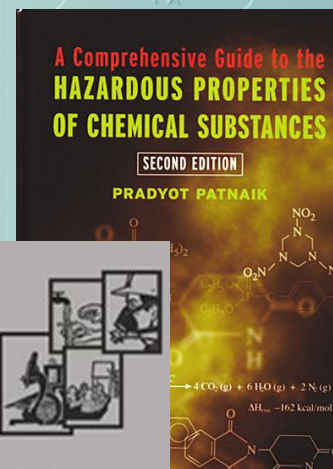
Technical Reference

(Printed References, Industrial and WMD Chemicals)

PRINTED, Database Type

Need 3
Different Types

- CHRIS Manual
- Hawley's Condensed Chemical Dictionary
- SAX, Dangerous Properties of Industrial Materials
- Hazardous Materials Field Guide
- Toxic and Hazardous Chemicals Safety Manual
- MERCK Index
- Hazardous Materials Handbook
- Etc.



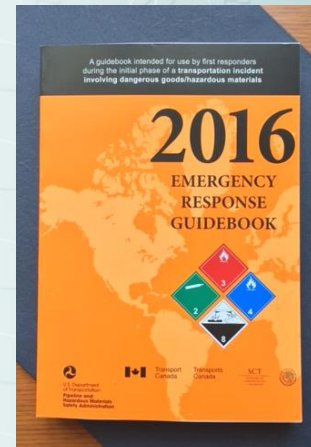
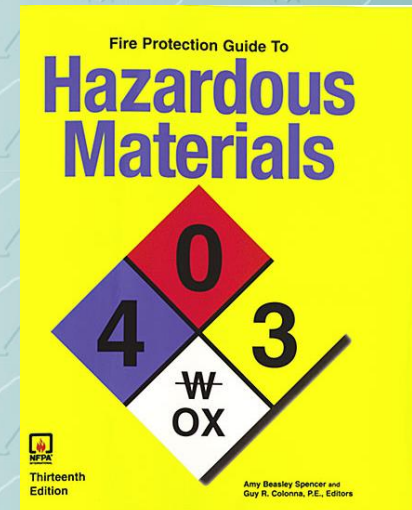
Technical Reference

(Printed References, Industrial and WMD Chemicals)

PRINTED, Guidebook Type

Need 2
Different Types

- Emergency Action Guides (AAR)
- Emergency Care for Hazardous Materials Exposure
- Fire Protection Guide to Hazardous Materials (NFPA)
- HazMat Quick Guide
- Safety Data Sheets
- DOT Guidebook



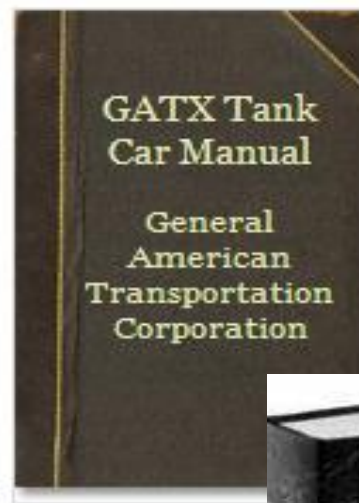
Technical Reference

(Printed References, Industrial and WMD Chemicals)

PRINTED, Specialty Type

Need 2
Different Types

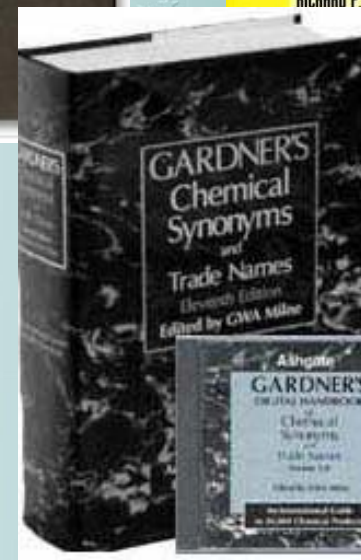
- Farm Chemicals Handbook
- Hazardous Chemical Spill Cleanup
- Specialty Chemicals Source Book
- Tank Car Manual
- Gardner's Chemical Synonyms
- Guide to Occupational Exposure Values
- Rapid Guide to Chemical Incompatibilities
- Wiley's Guide to Chemical Incompatibilities



Rapid Guide to
**Chemical
Incompatibilities**



RICHARD P. POHANISH
GREENE



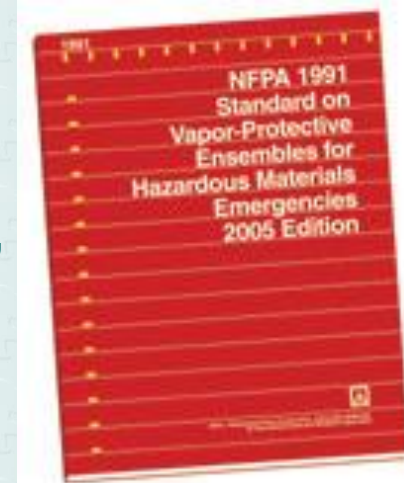
Technical Reference

(Printed References, Industrial and WMD Chemicals)

PRINTED or ELECTRONIC, Regulatory Type
(Government Codes, Standards)

Need:

- Title 29, Code of Federal Regulations (Labor/OSHA)
- Title 49, Code of Federal Regulations (Transportation)
- NFPA Standards #472, 2112, 1991, 1992, 1994



Technical Reference

(Printed References, Industrial and WMD Chemicals)

PRINTED or ELECTRONIC, Regulatory Type (Response Plans, Guides)

Need:

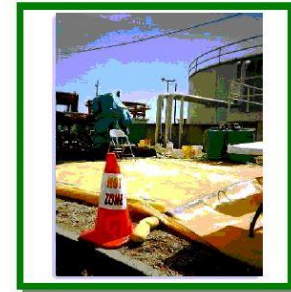
- Hazardous Materials Emergency Response Plan (Local)
- Operational Area Response Plan (City/County)
- Hazardous Materials Incident Contingency Plan (State)

7.1.5



STATE OF CALIFORNIA
GOVERNOR'S OFFICE OF EMERGENCY SERVICES
Revised January 2014

Hazardous Materials Tool Kit



Serving as a supplement to the
State Toxic Disaster Contingency Plan
California Government Code, Section 8574.17

Prepared by the State of California
Governor's Office of Emergency Services
Hazardous Materials Section

Technical Reference

(Printed References, Industrial and WMD Chemicals)

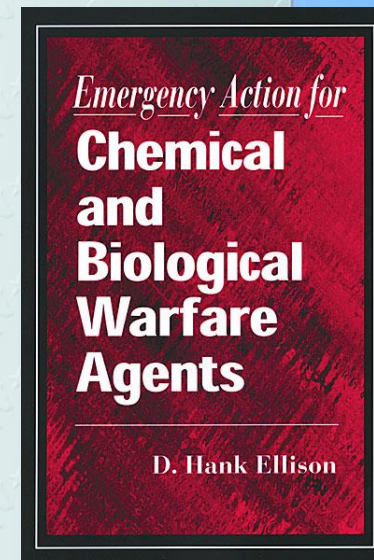
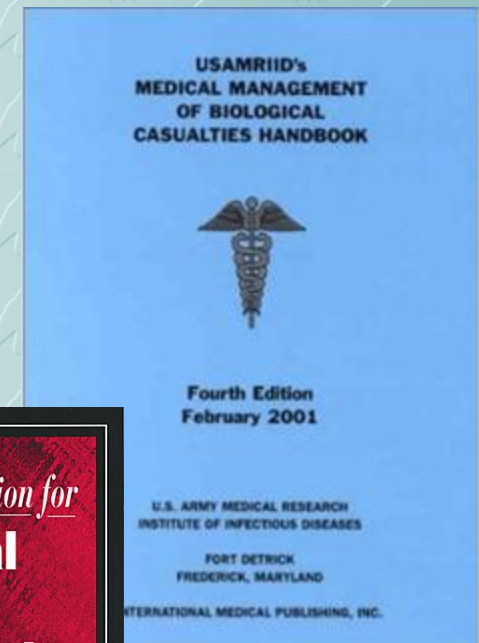
PRINTED, Chem/Bio Type (WMD Substances)

**Electronic Version
Will Be Acceptable**

Need

**1 – Chemical
2 – Biological**

- Bacteriological Warfare
- Chem-Bio Handbook (Janes)
- Chemical & Biological Warfare Agents
- Guide to Germ Warfare
- Infectious Disease Handbook
- Management of Chemical Casualties
- Etc.

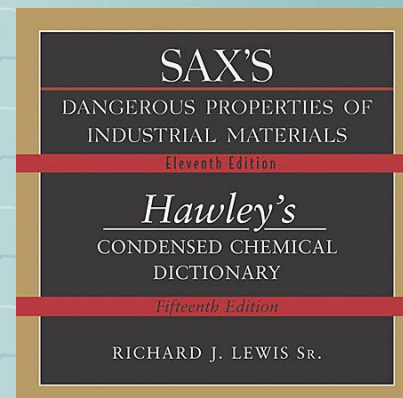


Technical Reference

(Electronic References, Industrial and WMD Chemicals)

ELECTRONIC, Database Type

- CHRIS Manual
- Hawley's Condensed Chemical Dictionary
- SAX, Dangerous Properties of Industrial Materials
- Hazardous Materials Field Guide
- Toxic and Hazardous Chemicals Safety Manual
- MERCK Index
- Hazardous Materials Handbook
- Etc.

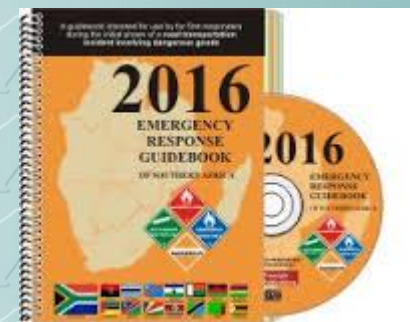


Technical Reference

(Electronic References, Industrial and WMD Chemicals)

ELECTRONIC, Guidebook Type

- Emergency Action Guides (AAR)
- Emergency Care for Hazardous Materials Exposure
- Fire Protection Guide to Hazardous Materials (NFPA)
- HazMat Quick Guide
- SDS
- DOT Guidebook

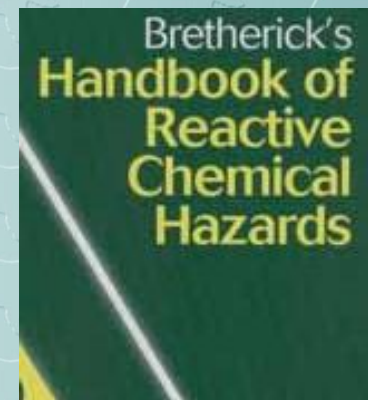
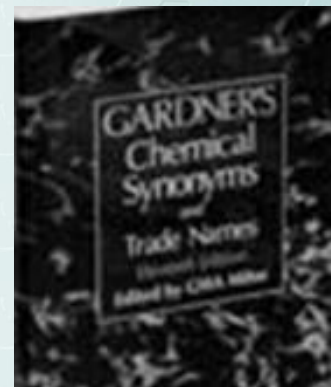
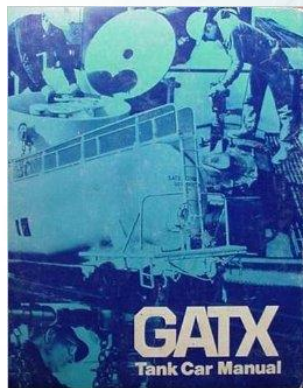
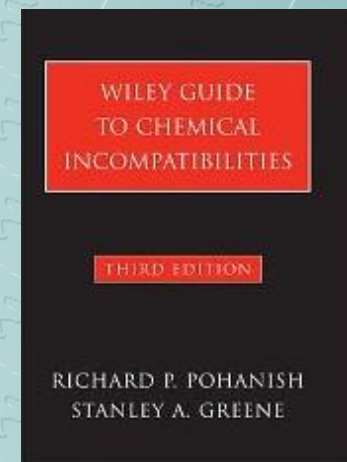


Technical Reference

(Electronic References, Industrial and WMD Chemicals)

ELECTRONIC, Specialty Type

- Farm Chemicals Handbook
- Hazardous Chemical Spill Cleanup
- Specialty Chemicals Source Book
- Tank Car Manual
- Gardner's Chemical Synonyms
- Guide to Occupational Exposure Values
- Rapid Guide to Chemical Incompatibilities
- Etc.



Technical Reference

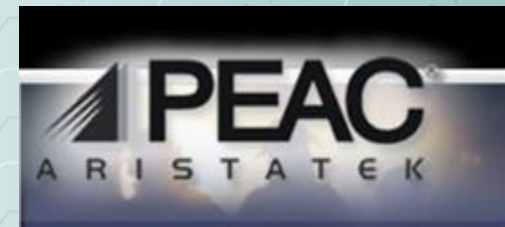
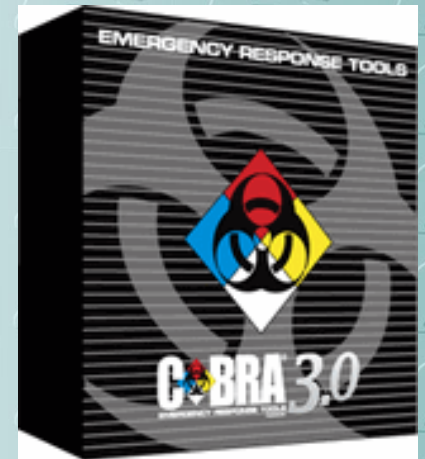
(Electronic References, Industrial and WMD Chemicals)

ELECTRONIC, Chem/Bio Type **(WMD Substances)**

Must Have At Least One Electronic Version

EXAMPLES:

- Bacteriological Warfare
- Chem-Bio Handbook (Janes)
- Chemical & Biological Warfare Agents
- Guide to Germ Warfare
- Infectious Disease Handbook
- Management of Chemical Casualties
- CoBRA



Technical Reference

(Plume Air Modeling, Program Support)

AIR MODELING, Database Software



CAMEO
Chemicals

Chemicals in Inventory Last Modified: 8/22/2000

Facility / Route: Report Year:
Dest: City: State:

CAS # View SDS
Chemical Name: Add New List

☒ In Inventory ☐ In Transit ☐ EHS Substance ☐ Trade Secret

Location: **Physical State & Quantity** Components Dates State Fields Notes

Physical State	Hazards	Health Effects
<input type="checkbox"/> Pure <input type="checkbox"/> Solid	<input checked="" type="checkbox"/> Fire	<input checked="" type="checkbox"/> Acute
<input type="checkbox"/> Mixture <input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Pressure	<input checked="" type="checkbox"/> Chronic
<input checked="" type="checkbox"/> Gas	<input checked="" type="checkbox"/> Reactive	

Weight

Max Daily Amount: pounds Max Code: 100 - 999 pounds
Average Daily Amount: pounds Ave Code: 100 - 999 pounds
Max amount in largest container: pounds

NOAA

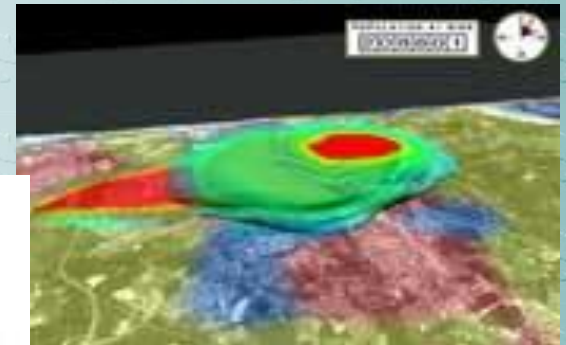
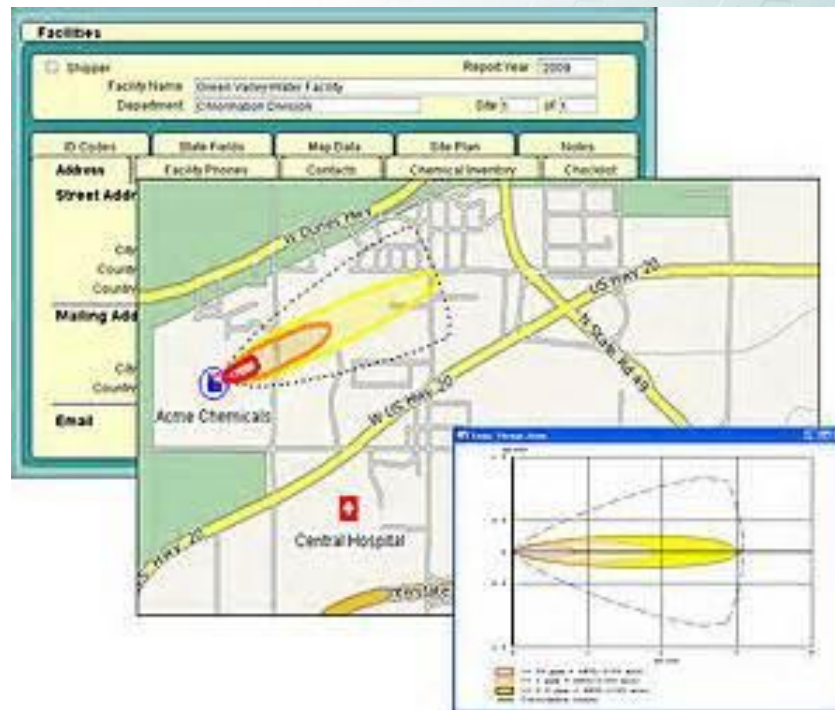


7.3.1

Technical Reference

(Plume Air Modeling, Program Support)

AIR MODELING, Plume Software (Overlay / Plume Display)

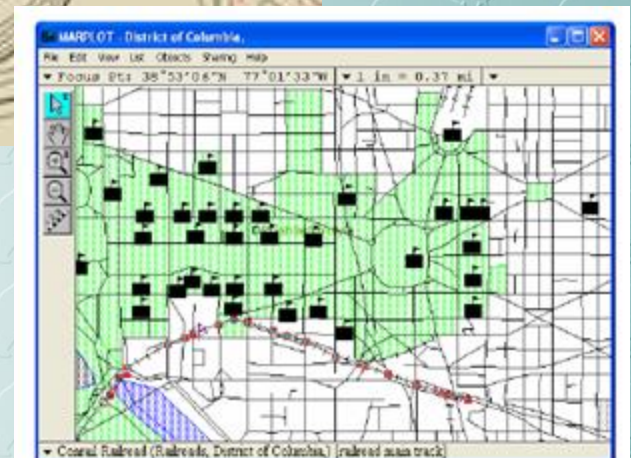


- ALOHA
- CHARM
- EIS
- EPI CODE
- SAFER
- Etc.

Technical Reference

(Plume Air Modeling, Program Support)

AIR MODELING, Mapping Software



- MarPlot
- GIS
- Etc.

7.3.3

Technical Reference (Computer)

COMPUTER (Laptop or PC)



7.4.1

Technical Reference

(Computer)

PRINTER, Color Capability

(Item 7.4.2)

PRINTER, Scan Capability

(Item 7.4.3)

PRINTER, Duplication Capability

(Item 7.4.4)



-- OR --

PRINTER, 4-In-One Unit

(Item 7.4.5 Combination Unit)

7.4.2 – 7.4.4

7.4.5

Technical Reference

(Computer)

ACCESS TO INTERNET, Wireless

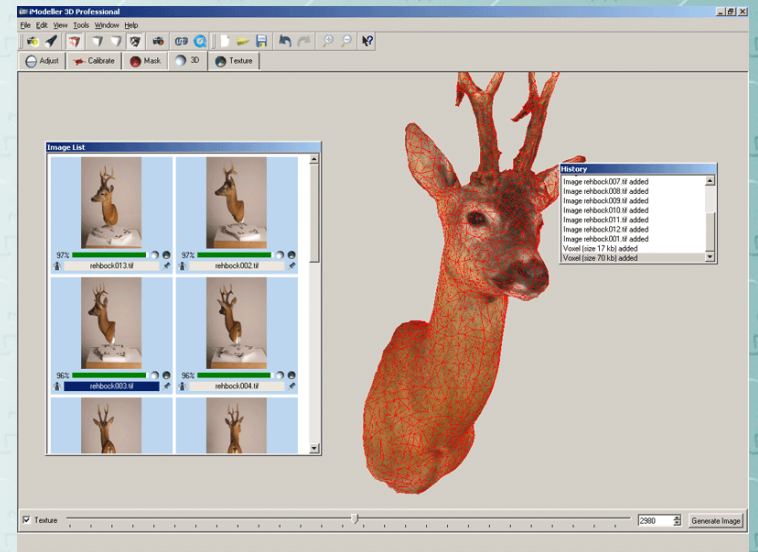


7.4.6

Technical Reference

(Computer, Support Hardware)

HARDWARE, Computer Graphics Card



7.4.8

Technical Reference

(Computer, Support Hardware)

HARDWARE, CD Rom or DVD Drive

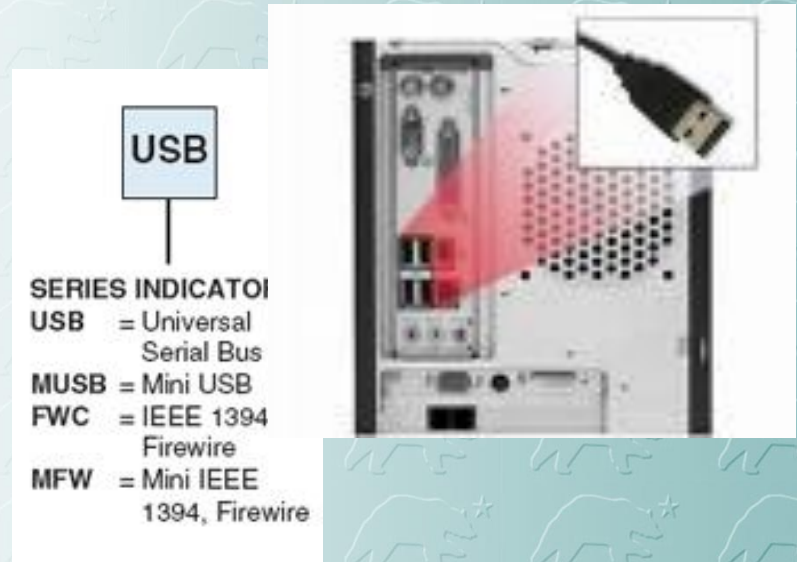


7.4.11

Technical Reference

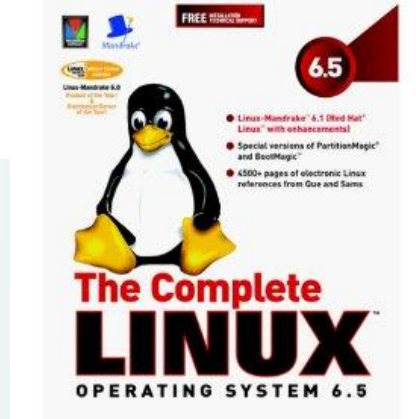
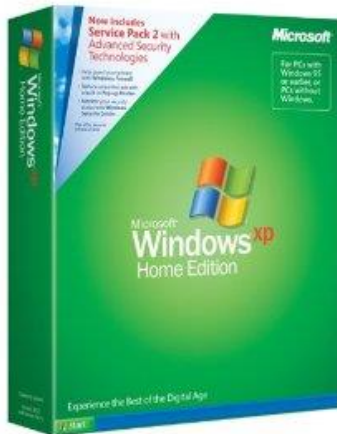
(Computer, Support Hardware)

HARDWARE, USB Drive Compatible



Technical Reference (Computer, Support Software)

SOFTWARE, Operating System

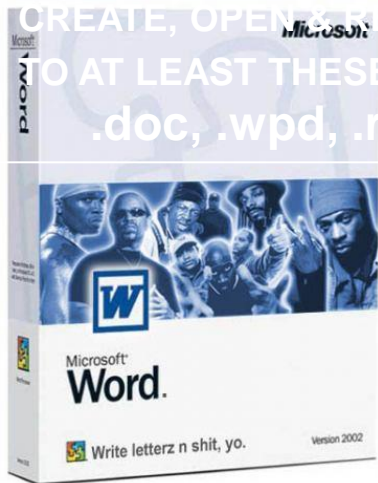


7.4.13

Technical Reference

(Computer, Support Software)

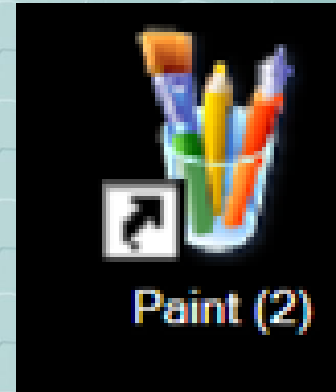
SOFTWARE, Document (Processing)



SOFTWARE, Graphics (Processing)

RECEIVE, OPEN, & DISPLAY GRAPHICS
DOCUMENTS TO AT LEAST:

.jpg, .tif., bmp, .wmp, and others



7.4.14

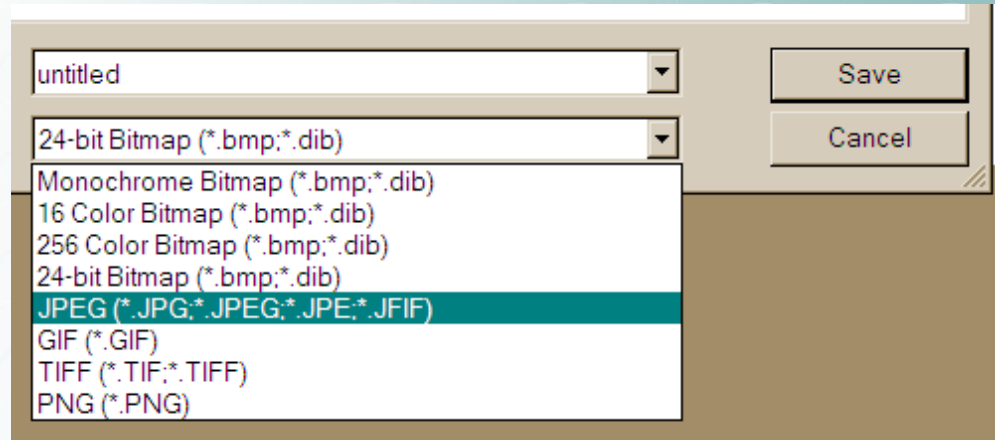
Technical Reference

(Computer, Support Software)

SOFTWARE, Document, (Conversion)

ABILITY TO CONVERT & SAVE
GRAPHICS TO AT LEAST:

.jpg



ABILITY TO CONVERT & SAVE ANY
DOCUMENT OR GRAPHIC TO:

.pdf



Adobe



Image2PDF v3.2

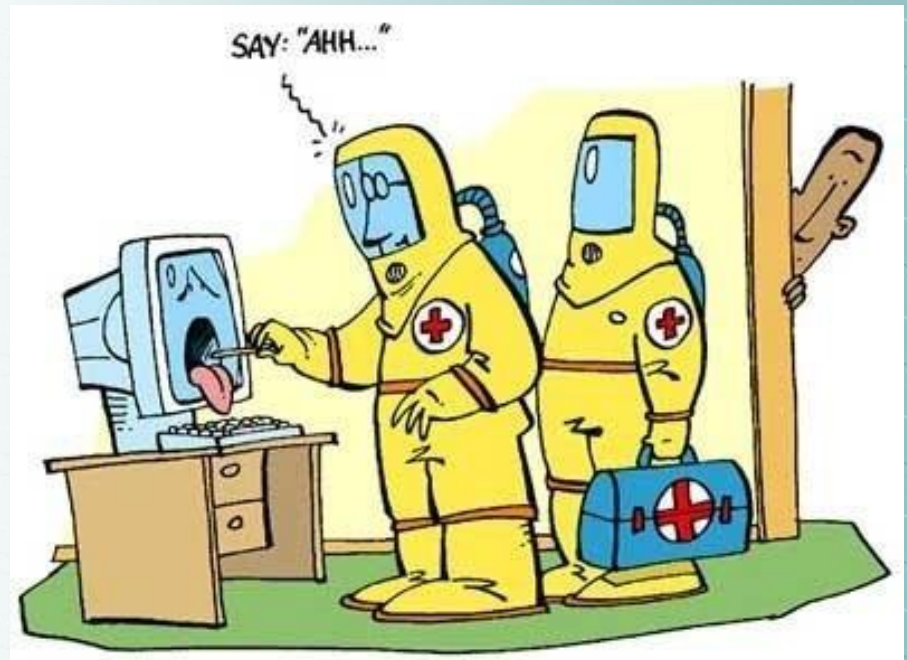
nitroPDF

7.4.15

Technical Reference

(Computer, Support Software)

SOFTWARE, System Protection



7.4.16

Special Capabilities

(Advanced Technologies, Vision, Heat, Sound)

SCOPE, Light Amplification, Basic

(MUST be Generation II or better)



ATN CGT



ATN MO4-3



YUKON NVRS 1.5x42



VOYAGER 4.5x mag



ATN Night Storm



YUKON Viking Pro 2x25

8.1.1

Special Capabilities

(Advanced Technologies, Vision, Heat, Sound)

SCOPE, Infra-Red, (Temperature Sensing Only)
Approximate Temperature Range -25 to +1000° F



MARTROW ST670, ST672
(-25 to 3000 +F)



OMEGA OS523 E
(-18 to 2500 +F)

Special Capabilities

(Advanced Technologies, Vision, Heat, Sound)

SOUND SENSING, Ultra-Sonic



SKF CMIN400-k



AMPROBE TMULD 300



WHISPER DTK711-202



SDT FlexUS

8.1.15

Special Capabilities

(Advanced Technologies, Vision, Heat, Sound)

CAMERA, Video, Digital



NOTE: This is currently
under review by the
**FIRESCOPE HazMat
Committee**



Special Capabilities

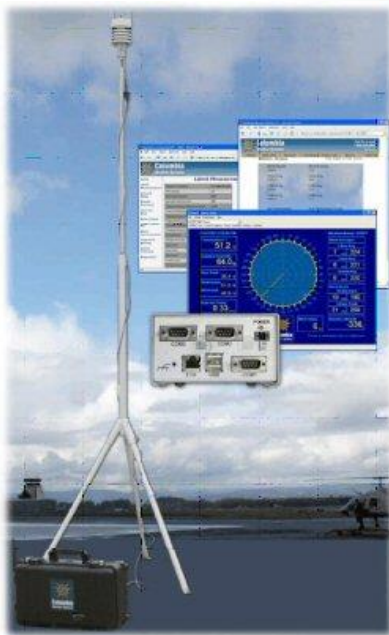
(Advanced Technologies, Weather, GPS)

WEATHER STATION:

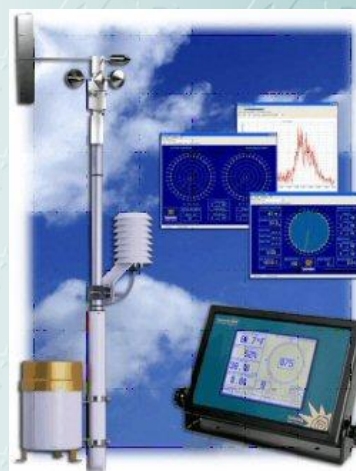


COASTAL ENVIRONMENTAL
WeatherPak TRX

Basic Hardwire (Item # 8.2.1)



ORION Nomad LX



ORION Capricorn 2000EX



COASTAL ENVIRONMENTAL
C-5 SAM

- OR -

Wireless (Item # 8.2.2)

8.2.1

8.2.2

Intervention

(Chemical Intervention)

NEUTRALIZATION, Acids



X-SORB for ACIDS



J.T. BAKER Neutrasorb



ACID EATER



Sodium Sesquicarbonate



Spill - X - A (Acid Neutralizer)

Intervention

(Chemical Intervention)

NEUTRALIZATION, Alkali (Bases)



X-SORB Caustic by IMPACT TECHNOLOGIES



X-SORB by Impact Technologies



CITRIC ACID (For Alkali)



Spill-X-C (Alkalie Neutralizer)



Spill-X-C Spill Gun (Alkali)



BASE EATER by IMPACT TECH

Intervention

(Chemical Intervention)

ENCAPSULATING, Spreadable Powder (Pesticides and General Purpose)



X-SORB "Edge"™ or
X-SORB "Super Encapsulator"



EXSORB "Super Encapsulator"
(General Purpose for Pesticides)



EAGLE Picher "Solid-A-Sorb" (Meets
EPA and OSHA, good for Pesticides)



WYK Safety Universal Sorbent
(Meets EPA, OSHA)



SRI PETRO Oil Sponge Premium
(For Pesticide Spills)



Amerizorb Throw & Go
Professional



WYK Super Sorbent (for Pesticides)

Intervention

(Chemical Intervention)

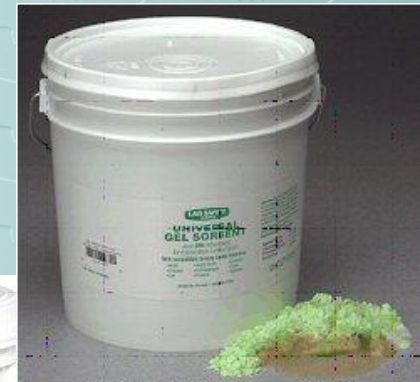
ENCAPSULATING, Spreadable Powder (Formaldehyde)



SPILL FYTER Formaldehyde Solidifier



SPILL FYTER Formaldehyde Eater



LAB SAFETY "Universal Gel"

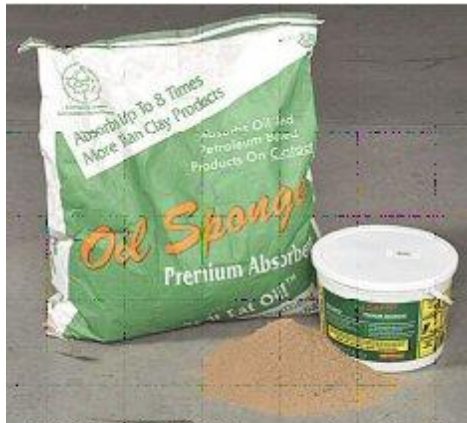


SPILL-X-FP for Formaldehyde

Intervention

(Chemical Intervention)

ENCAPSULATING, Spreadable Powder (Non-Polar Solvents)



SRI PETRO "Oil Sponge Premium"
Polar Solvent Only (Hydrocarbons)



Spill-X-S
(For Non-Polar Solvents)



WEST COAST "Oil Sponge
G.P.



X-SORB "Super Absorbent" or
X-SORB "Oil Select"



Intervention

(Chemical Intervention)

EXTINGUISHER, Fire,
Class “D”
(Sodium Chloride)
(Item # 9.1.6)



MFS L-2



ANSUL Met-L-X

OR

EXTINGUISHER, Fire,
Class “D”
(Copper Compound)
(Item # 9.1.7)



AMEREX Class “D”, 30 LB

**Must Have at
Least One**

9.1.6 or 9.1.7

Intervention

(Environmental Intervention)

ABSORBENT: Non-Polar Solvent **(Repels Polar (Water etc.) – Pads or Rolls)**



SELLARS "V-Bond" Oil Only
Pads 17" x 19", Rolls 38" x 144'



IMPACT "Fiber-Duck" Non-Polar
Rolls 30" x 150'



SPILFYTER "Oil Sweep", floating
16" x 100'



SPILL911 AR-1035 Non-Polar
Pads 30" x 30"



SELLARS "Nascar" Oil Only
Pads 18" x 18", Roll 12" x 150'



SPC "SXT", Repels water

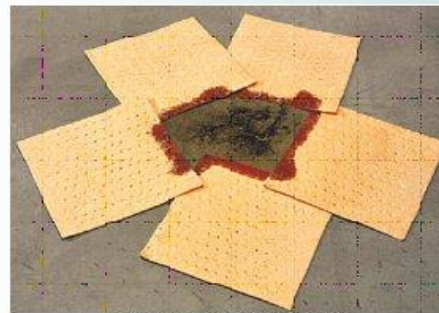
Intervention

(Environmental Intervention)

ABSORBENT: General Purpose OR Polar Solvent
(Absorbs (Polar) – Pads or Rolls)



SPILFYTER "Sorbex", in Pads or Rolls



ENPAC "Orange Power"



SPILFYTER "General Purpose"



STREETFYTER General Purpose

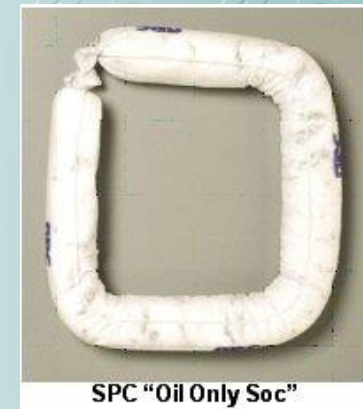
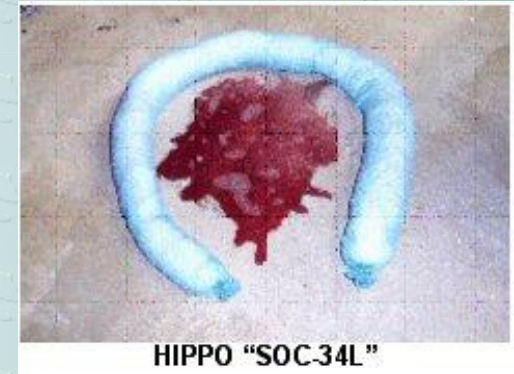


SPC "UXT Sorbent Pads", for coolants, acids, bases, antifreeze; Pads 15" x 19"

Intervention

(Environmental Intervention)

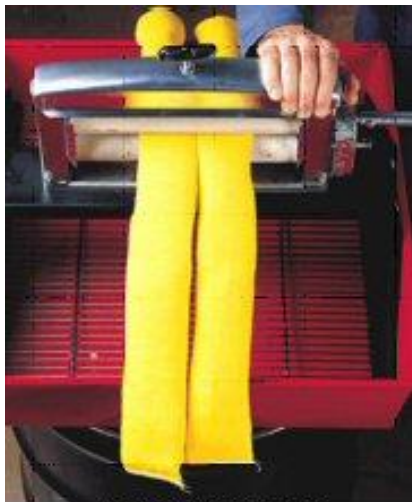
ABSORBENT: Non-Polar Polar Solvent **(Pigs, Socks, Mini-Booms)**



Intervention

(Environmental Intervention)

ABSORBENT: General Purpose OR Polar Solvent
(Pigs, Socks, Mini-Booms)



**SPILL DEFENSE
"Universal"**



SPILL DEFENSE "Drum Collar"



MAGIC SORB "Super"



EVERSOAK "Industrial"



CHEMSORB "Universal"

Intervention

(Environmental Intervention)

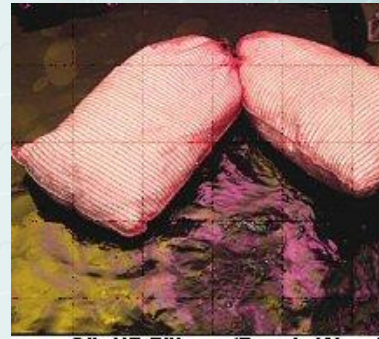
ABSORBENT: Non- Polar Solvent **(Pillows)**



INTERSTATE "SEPP"



SPC "PiLow"



OIL-UP Pillows (Repels Water)



HIPPO "Oil Only"



IMPACT "FiberDuck" Oil Only



SPILFYTER "Premium"

Intervention

(Environmental Intervention)

ABSORBENT: General Purpose OR Polar Solvent
(Pillows)



LAB SAFETY "Hazorb"



3-M Sorbent Pillows



IMPACT "Fiber-Link" Universal



INTERSTATE
"Universal"



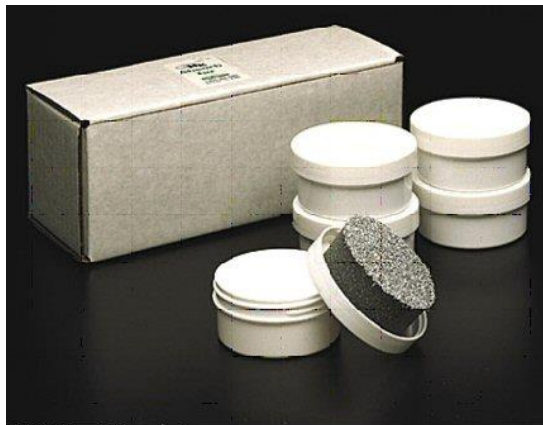
XSORB "Universal" Pillow

Intervention

(Environmental Intervention)

MERCURY KIT; Cleanup

Must include 500 gram container of Mercury Absorbing Powder



LAB SAFETY Mercury Sponges
(Purchased separately to go with Mercury Eater)



MERCURY EATER
(Sponges needs to be purchased separately)



LAB SAFETY



ECONO Mercury Spill Kit

Intervention

(Environmental Intervention)

PIPE, Plastic (for “Underflow” and “Overflow” dam construction)

- 3 lengths – Minimum 8' Each
- Representing 3 Different Diameters Sizes 4” to 12”



**Schedule 40 (Strong) or Schedule 80 (Stronger)
Recommended**

Intervention

(Mechanical Intervention)

KIT: Chlorine, “A”



CHLORINE INSTITUTE Kit “A”



CHLORINE SPECIALTIES Kit “A”

Intervention

(Mechanical Intervention)

KIT: Chlorine, “B”



INDIAN SPRINGS Kit “B”



CHLORINE SPECIALTIES Kit “B”

9.3.2

Intervention

(Mechanical Intervention)

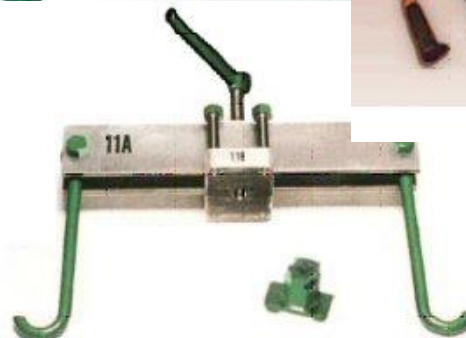
KIT: Chlorine, "C"



INDIAN SPRINGS Kit "C"



CHLORINE SPECIALTIES Kit "C"



CHLORINE INSTITUTE Kit "C" Conversion

9.3.3

Intervention

(Mechanical Intervention)

KIT: Upgrade, Sulfur Dioxide, “A”

"SA" KIT - 100 & 150 lb. CYLINDERS
**INDIAN SPRINGS Gasket Upgrade "SA" Kit for
Upright "H" Cylinder Chlorine "A" Kit**



9.3.5

Intervention

(Mechanical Intervention)

KIT: Upgrade, Sulfur Dioxide, “B”



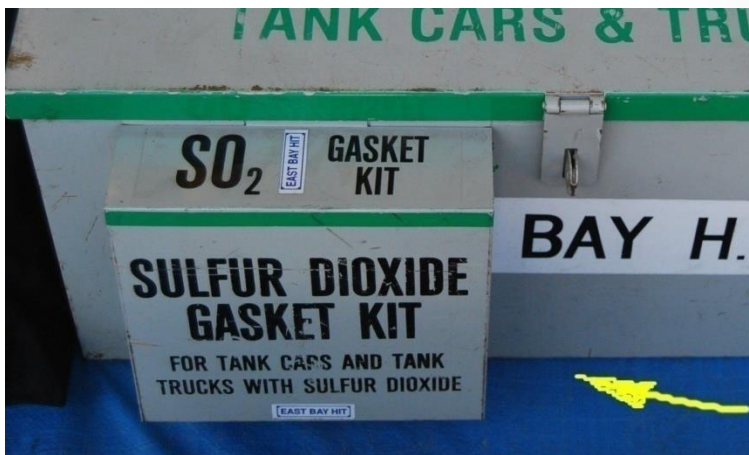
"SB" KIT - ONE (1) TON
SO2 CONTAINERS

9.3.6

Intervention

(Mechanical Intervention)

KIT: Upgrade, Sulfur Dioxide, "C"



INDIAN SPRINGS Gasket Upgrade "SC" Kit
for Rail Tank Car Chlorine "C" Kit

OR



Intervention

(Mechanical Intervention)

KIT: Pipe, Patch & Repair, Liquids (Standard Kit)



LAB SAFETY SUPPLY

Kit # 35156



Kit # C-2



221



in pipe.

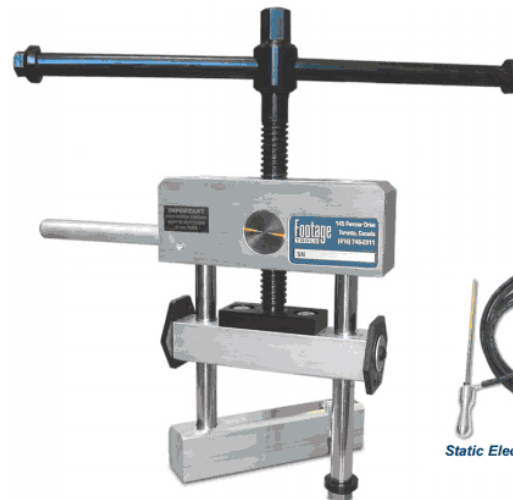


9.3.10

Intervention

(Mechanical Intervention)

KIT: Clamp, Pipe, Gas, Mechanical
(Domestic Low Pressure)



Static Electricity Grounding Spike

9.3.13

Intervention

(Mechanical Intervention)

KIT: Pipe, Pneumatic, Flange Patch, Liquids



**RECOMMENDED
VETTER #
1500013900 (8" x 38")
or
1500014000 (8" x 70")**

**OPTIONAL KITS
FOR 9.3.15**



9.3.15

OR

9.3.16

Intervention

(Mechanical Intervention)

KIT: Tanker, Patch & Repair, Liquids (Standard Kit)



Kit "AE"



Kit "F"



Intervention

(Mechanical Intervention)

KIT: Tanker, Patch & Repair, Liquids (Pneumatic Kit, Standard, Item # 9.3.18)

(Pneumatic Kit with Drainage Control, Item # 9.3.19)



VETTER #
1500005301



VETTER #
1500000102



9.3.18 & 9.3.19

Intervention

(Mechanical Intervention)

KIT: Drum, Patch & Repair, Liquids (Pneumatic Kit)

VETTER #
1500009400



**REQUIRES RATCHET
STRAP SET**

9.3.24

Intervention

(Mechanical Intervention)

KIT: Drum, Patch & Repair, Liquids (Standard Compression Kit)



Lab Safety Kit # 35157



**Edwards & Cromwell Kit "D"
Or "A-E"**



Kits Must Contain:
6 Tapered Compression
2 Ball Compression
2 "T" Bolt Compression



9.3.26

Intervention

(Mechanical Intervention)

KIT: Drum or Tanker, Patch & Repair, Liquids,
(Tapered Stopper, Compression – Extra Large)

Compliments Kit Item # 9.3.26



4" Dia.

3" Dia

Must Have One TAPERED
Of Either Size As Shown

Edwards & Cromwell Kit "A-2"



9.3.29

Intervention

(Mechanical Intervention)

KIT: Drum or Tanker, Patch & Repair, Liquids,
(Ball or Half-Round Stopper, Compression)
(Extra-Large)

Compliments Kit Item # 9.3.26



Edwards & Cromwell Kit "A-2"



4" Dia.



3" Dia.

Must Have One BALL or 1/2 ROUND
Of Either Size As Shown

9.3.31

Intervention

(Mechanical Intervention)

KIT: Drum or Tanker, Patch & Repair, Liquids,
(“T” Bolt Stopper, Compression)
(Extra-Large)

Compliments Kit Item # 9.3.26

Edwards & Cromwell Kit “A-2”



Series “A-2”: This kit contains three oversized surface plugs. These plugs will temporarily control puncture holes from 3” diameter to 3” x 9” tears. They can be purchased individually or as a kit in a handy carrying case as pictured.



Must Have One Extra-Large “T” Bolt Compression

9.3.32

Intervention

(Mechanical Intervention)

KIT: Drain, Plug, Liquids,
(Conical or Tapered, 3 Different Sizes)



MINIMUM REQUIREMENT:

3 - Extra-Large conical plugs, each a different size
(2 ½" dia to 12" dia available commercially)

9.3.33

Intervention

(Mechanical Intervention)

KIT: Drain or Cuts, Plug, Liquids,
(Pneumatic)

VETTER #
1500019500 or 1500009600



9.3.34

Intervention

(Mechanical Intervention)

KIT: Pipe or Hole, Plug, Liquids,
(Expansion, “Plumbers Test Plugs”)
(Total of 7 Representing 7 Different Sizes)

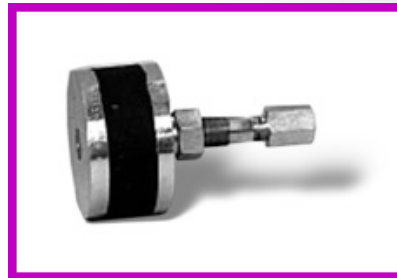


9.3.35

Intervention

(Mechanical Intervention)

KIT: Pipe or Hole, Plug, Liquids,
(Expansion, “Plumbers Test Plugs”,
Vented or Drain Control)



Edwards & Cromwell Kit “C-1”



9.3.36

Intervention

(Mechanical Intervention)

KIT: Open End, Cap, Liquids,
(Contraction End Cap, “Jim Cap”)



KIT: Open End, Cap, Liquids,
(Contraction End Cap, Drain Control)



Selection of 7 Representing 7 Different
Sizes, from 1” to 8” Nominal, of either
type as shown



Intervention

(Mechanical Intervention)

KIT: Dowels, Liquids,
(Tapered Wood or Plastic)
(Assortment from 1" dia to 5" dia)



9.3.44

Intervention

(Mechanical Intervention)

**KIT: Dome Lid Lock,
Screw Clamp**



Spring Loaded Clamp



Squeeze Clamp

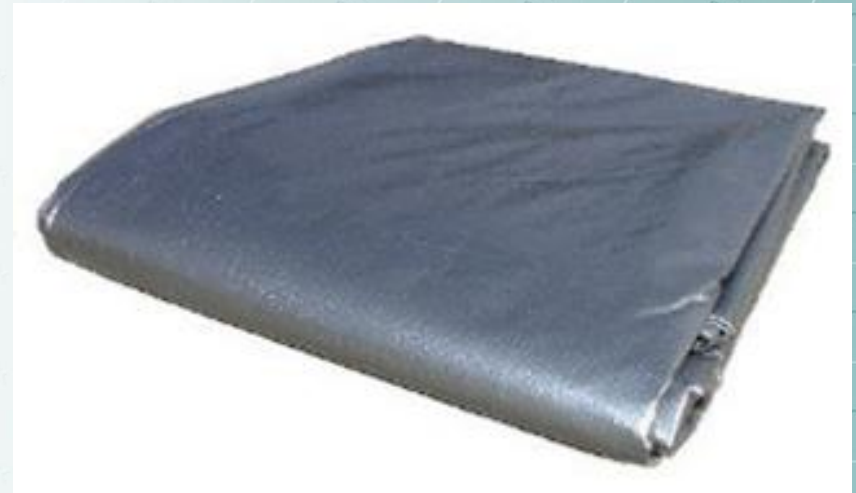


9.3.48 & 9.3.49

(Total of 4, Mix or Match)

Decontamination (Ground Protection)

TARPS, Plastic (Ground Cover – Nominal 12' x 12'; Need 2)



10.1.1



Decontamination (Ground Protection)

TARPS, Plastic or Canvas, “Carry-All”
(Nominal 6' x 6')



10.1.2

Decontamination (Ground Protection)

SHEETING, Plastic, Roll (Heavy Duty – 5' x 100')

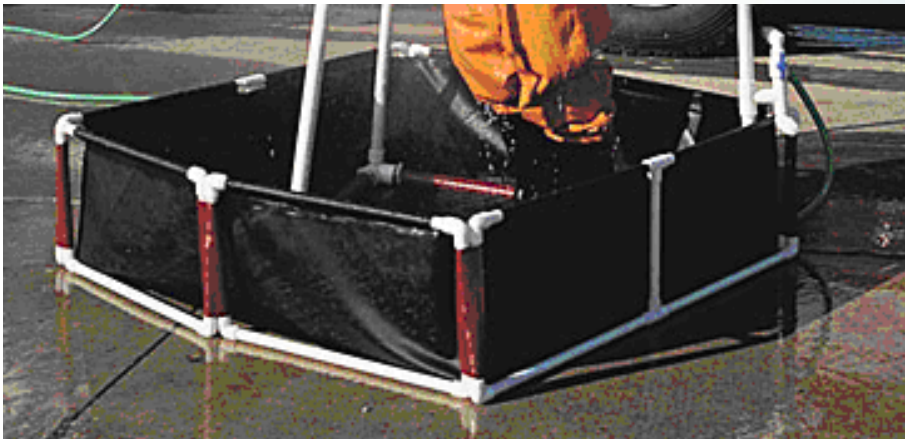


10.1.3

Decontamination

(Ground Protection)

CATCH BASIN



10.1.4

Decontamination (Personal Protection)

SHOWER, Gross Decontamination



10.1.5

Decontamination (Personal Protection)

EYE WASH, Station

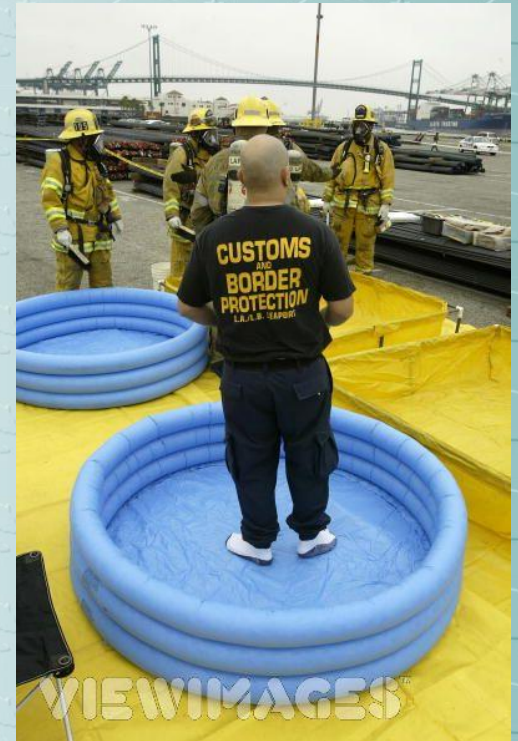
**Must Be Labeled
Verifying It Meets
ANSI Standard
Z-358.1**



10.1.6

Decontamination (Personal Protection)

POOLS, Portable, Large
(60 to 80 Gallon Capacity – Minimum of 3)



10.1.7

Decontamination

(Support Tools for Decontamination)

STOOLS, Portable (Need 4)



10.2.1



Decontamination

(Support Tools for Decontamination)

BRUSHES, Long Handle, Soft Bristle
(Need 4)



10.2.2



Decontamination

(Support Tools for Decontamination)

**BRUSHES, Short Handle, Soft Bristle,
“Rat Tail” (Need 2)**



10.2.4

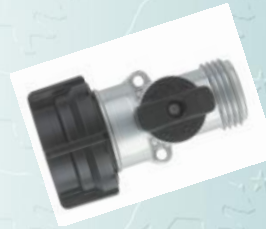


Decontamination

(Support Tools for Decontamination)

BRUSHES, Long Handle, Car Wash Type (Need 2)

30", fixed or adjustable
handle



10.2.5



Decontamination

(Support Tools for Decontamination)

SPONGES, Set (Need 4)



10.2.6



Decontamination

(Support Tools for Decontamination)

TOWELS, Absorbent, Drying (Laundry Type)

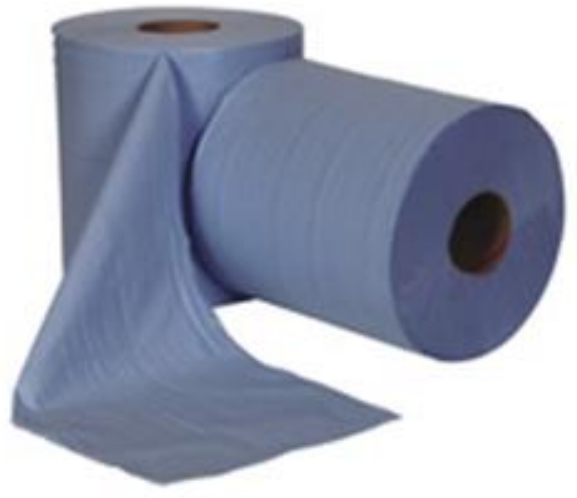


10.2.7

Decontamination

(Support Tools for Decontamination)

**TOWELS, Absorbent, Disposable
(Paper Towels)**



10.2.8

Decontamination

(Support Tools for Decontamination)

BLANKETS, Disposable (Need 4)



10.2.9



Decontamination

(Support Tools for Decontamination)

CLOTHING, Modesty (Minimum 12)



10.2.11



Decontamination

(Support Tools for Decontamination)

**TRAFFIC CONES or
DELINEATORS**
(Ordinary, Item # 10.2.12)



**TRAFFIC CONES or
DELINEATORS**
(Reflective, Item # 10.2.13)



10.2.12 & 10.2.13

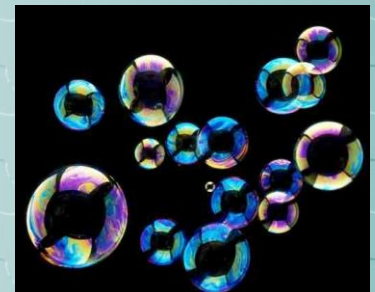
Total of 6
Mix and Match

Decontamination

(Support Tools for Decontamination)

SOAP, Soft HYPO-ALLERGENIC, Liquid

**LIQUID DETERGENT
NOT ACCEPTABLE**



10.2.15

Decontamination

(Support Tools for Decontamination)

CHEM-TAPE, Chemical Resistant (Two Rolls)



10.2.16

Decontamination

(Support Tools for Decontamination)

CLOTHING REMOVAL TOOLS

(Scissors)



10.2.17

Decontamination

(Support Tools for Decontamination)

TRACKING KIT, Personal Property (Minimum 12)



Tear-off Receipt: An essential element in tracking and tracing. The receipt provides a "write-on" area for recording pertinent information about the contents and a designated signature block for recording the identity of the preparer - complete accountability.

Easy to Use Instructions: Help the user to prepare and seal the security bag properly.

Heavy Gauge, Multi Layer Polyethylene Bag Construction: Alert Security Bags are manufactured from a 3 mil (75 micron) high strength three layer polyethylene film. The three (3) layer construction combines a tough puncture resistant outer shell with a high strength inner sealing surface.

Dual Serial Numbers for Tracking: Located on both the tear-off receipt and the body of the security bag, these numbers provide a tracking method from the sender to the final receiver - even with multiple transfers through an armored car system.

Tamper Evident Tape Closure:
- Maximum Security
Tamper Evident Void Tape

Write-On Information Block: Prompts the user with vital information categories.

Security Bag Seals: Wide in-set seals are used for the highest level of tamper

evidence. The width of the seal yields a high strength film bond and the in-set position gives a very positive indication of possible tampering - far more security than thin edge seals.



Decontamination

(Water Supply, Distribution Tools)

ADAPTOR, 1 1/2" to Garden Hose Reducer (Need 2)



Garden Hose →



F.D. 1 1/2"

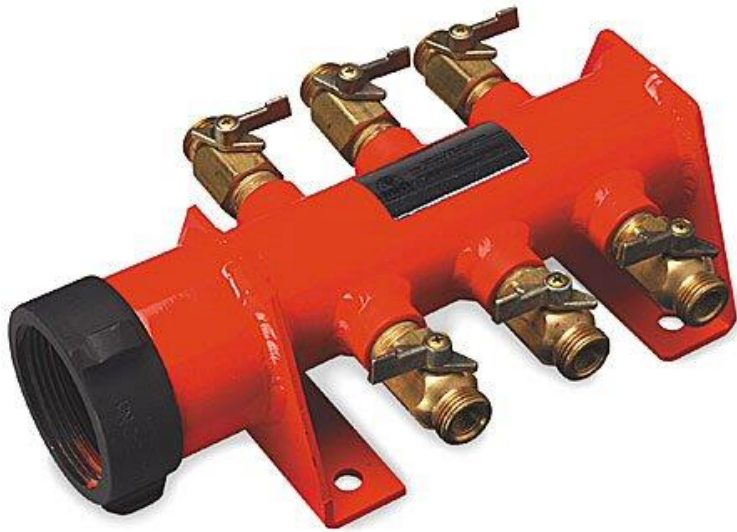
10.3.1



Decontamination

(Water Supply, Distribution Tools)

MANIFOLD, Heavy Duty



10.3.2

Decontamination

(Water Supply, Distribution Tools)

MANIFOLD, Light Duty



← Acceptable →



NOT Acceptable →



10.3.3

ITEM # 10.3.3 CAN BE SELECTED
IN PLACE OF ITEM # 10.3.2
(Either – Or)

Decontamination

(Water Supply, Distribution Tools)

HOSE, Garden, 1/2" Dia.
(12' to 24' Lengths – Three Sections)



12' to 25' Approx

10.3.4

Decontamination

(Water Supply, Distribution Tools)

HOSE, Garden, Shut-Off (In Line)

Total of 3 of Any Type



10.3.5

Decontamination

(Water Supply, Distribution Tools)

WRENCH, Hydrant, Universal



10.3.6

Decontamination

(Water Supply, Distribution Tools)

APPLICATOR, Nozzle, Garden Hose,
(Adjustable – 2 of Any Type)



10.3.7



Decontamination

(Water Supply, Distribution Tools)

APPLICATOR, Garden Sprayer, Pressure



10.3.8

Decontamination (Collection)

BUCKETS, Ordinary

5-Gallon Capacity (Minimum 4)



↑
YES

↑
NO



10.4.1



Decontamination (Collection)

BAGS, Heavy Duty, 3 mil

(42 Gallon Capacity Contractor's Type – Minimum 10)



10.4.2



Decontamination (Collection)

BAGS, Medium Duty Yard (33 Gallon Capacity – Minimum 10)



10.4.3



Decontamination (Collection)

COLLECTION UNIT, Debris
(35 to 65 Gallon Capacity – Need 1)



10.4.4

NEED AT LEAST ONE of this type



Decontamination (Collection)

COLLECTION UNIT, Containment Drum (85 to 95 Gallon Capacity)

**NEED 2 Total – AT
LEAST ONE of
either
10.4.5 or 10.4.6**



10.4.5

Must Meet 49 CFR 173.3(c) Requirements



Decontamination (Collection)

COLLECTION UNIT, Over-Pack Drum (110 Gallon Capacity)

**NEED 2 Total – AT
LEAST ONE of
either
10.4.5 or 10.4.6**



10.4.6

Must Meet 49 CFR 173.3(c) Requirements



Decontamination (Collection)

LINERS, Drum

(85 to 95 Gallon Capacity – Minimum 10)



10.4.7



Communications (Radio)

RADIO, Portable, Unit (Intrinsically Safe)

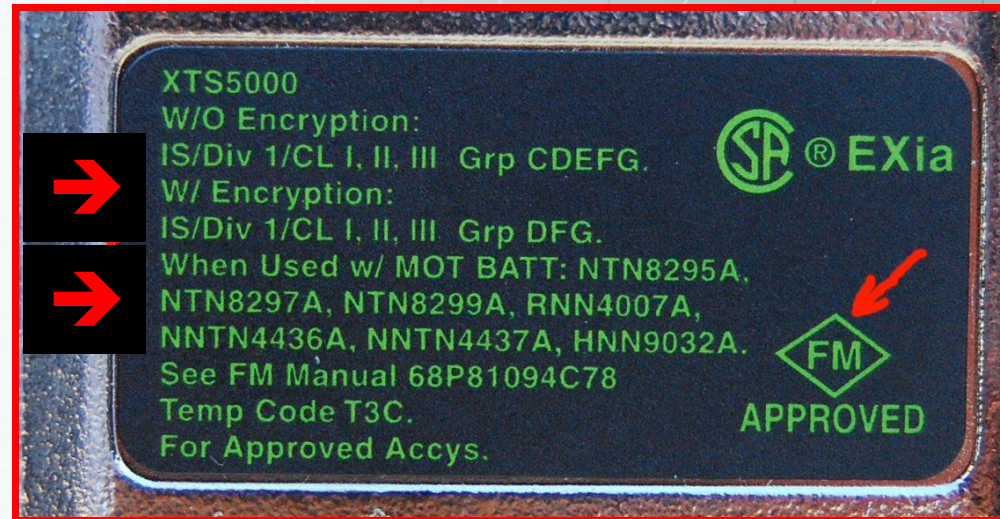


← Back of Portable
Radio

Close-Up of a Typical
I.S. Label

List of Compatible
I.S. Battery Numbers

← I.S. Label



11.1.1

Certifying Testing Labs →



Communications (Radio)

RADIO, Portable, In-Suit Communications

4 for Type 3 and 2 Teams

6 for Type 1 Team



11.1.4

Communications (Radio)

RADIO, Portable, Battery (Interchangeable and I.S.)



Back of Batteries



Battery Numbers
Must Match
Those On Radio
I.S. Label



Close-Up of
Battery Label

11.1.6

Communications

(Cellular Phone)

PHONE, Cellular



11.2.1

Respiratory Protection (Self-Contained)

SCBA, Complete Unit, **(1 Hour Rating)**

**NIOSH & NFPA Certified for
Structural Use
(TYPE 2 & 3 TEAMS)**



12.1.1



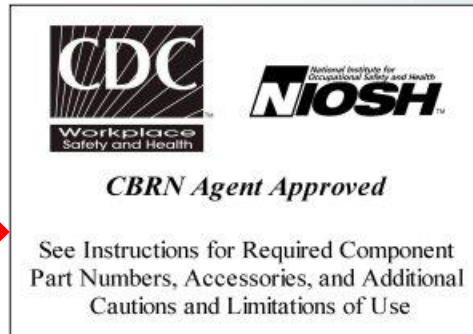
Respiratory Protection (Self-Contained)

SCBA, WMD CBRN, Complete Unit, (1 Hour Rating)

NIOSH CBRN
requirement is for
TYPE 1 TEAM

Unit **MUST** Have This
NIOSH Certifying Label
Affixed Somewhere,
Usually on Frame.

Including Retro-Fit!



12.1.2

NFPA and NIOSH - CBRN Rated



Respiratory Protection (Self-Contained)

SCBA, Full Mask

NIOSH & NFPA Certified for
Structural Use
(TYPE 2 & 3 TEAMS)



12.1.3



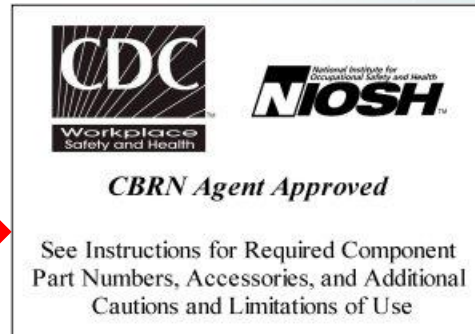
Respiratory Protection (Self-Contained)

SCBA, WMD CBRN, Full Mask

NIOSH CBRN
requirement is for
TYPE 1 TEAM

Unit MUST Have This
NIOSH Certifying Label
Affixed Somewhere,
Usually on Frame.

Including Retro-Fit!



12.1.4

NFPA and NIOSH - CBRN Rated



Respiratory Protection (Self-Contained)

Bottle, Spare – Replacement
(1 Spare Bottle for Each Assigned SCBA)



12.1.7



Respiratory Protection

(Air Purifying Respirator)

APR, Unit and Full Mask, Industrial Chemicals



12.2.1

Respiratory Protection

(Air Purifying Respirator)

APR, Unit and Full Mask, CBRN Chemicals



12.2.2

Respiratory Protection

(Powered Air Purifying Respirator)

OPTIONAL ITEM

PAPR, Unit and Full Mask, Industrial Chemicals



12.2.3 (Optional for Item # 12.2.1)

Respiratory Protection

(Air Purifying Respirator)

CARTRIDGES, APR or PAPR, **Industrial Chemicals** **(Must have 7)**

CARTRIDGES ARE COLOR-CODED TO
INDICATE SPECIFIC TYPES OF
INDUSTRIAL CHEMICAL
PROTECTION



See BULLETIN # 17
“Canister Color Code”
Which Has A “Cartridge
Color Code” Chart.

12.2.5

Respiratory Protection

(Air Purifying Respirator)

CARTRIDGES, APR or PAPR,
CBRN Chemicals
(Must have 7)

THE CBRN UNIT **MUST** HAVE
THIS NIOSH CERTIFYING
LABEL



12.2.6



Tools / Other

(General Purpose, Hand Tools, Large)

SHOVEL, Round Point

(Metal – Need 1)



13.1.1



Tools / Other

(General Purpose, Hand Tools, Large)

SHOVEL, Square Point

(Metal – Need 1)



13.1.3



Tools / Other

(General Purpose, Hand Tools, Large)

SHOVEL, Square Point

(Plastic – Need 1)



13.1.4



Tools / Other

(General Purpose, Hand Tools, Large)

SHOVEL, Scoop

(Plastic – Need 1)



13.1.5



Tools / Other

(General Purpose, Hand Tools, Large)

BROOM, Street, Stiff Bristle
(Need 1)



13.1.6

Tools / Other

(General Purpose, Hand Tools, Large)

LIFTING TOOL, Drum, Up-ENDER

(Need 1)



13.1.7

Tools / Other

(General Purpose, Hand Tools, Large)

HAMMER, Sledge

(Need 1 – 7 to 10 lbs)



13.1.8



Tools / Other

(General Purpose, Hand Tools, Large)

BAR, Wrecking or Pry,
(Need 1 – 36" or Larger)



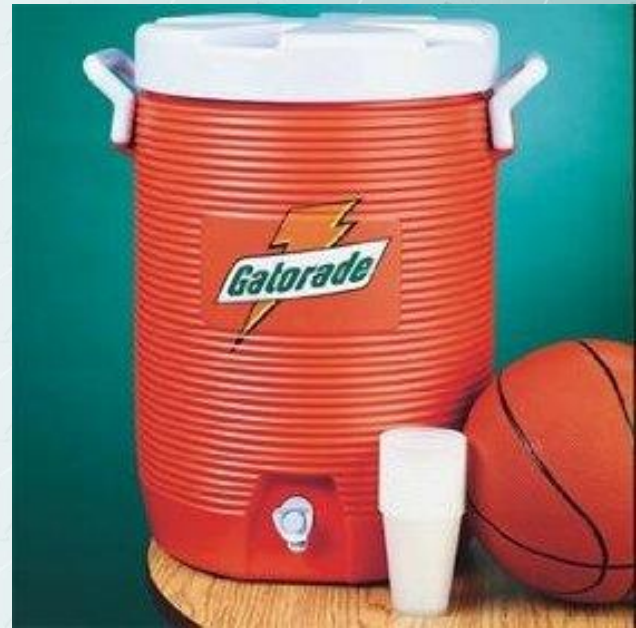
13.1.9



Tools / Other

(General Purpose, Hand Tools, Large)

COOLER, Rehydration,
(Need 1 – 5 to 10 Gallons)



13.1.10

Tools / Other

(General Purpose, Hand Tools, Large)

MEGAPHONE, Battery Operated

DOES NOT HAVE TO BE
INTRINSICALLY SAFE



13.1.11

Tools / Other

(General Purpose, Hand Tools, Large)

FIRST AID, Kit, Large



13.1.12

MUST MEET ANSI Z-308.1

Tools / Other

(General Purpose, Hand Tools, Large)

TRAUMA, Kit, Complete



13.1.13

MUST MEET ANSI Z-308.1

Tools / Other

(General Purpose, Hand Tools, Large)

MEDICAL MONITORING, Kit

(Can be included in Trauma Kit)

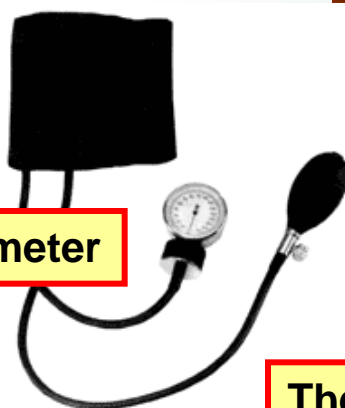
Baseline Monitoring Forms



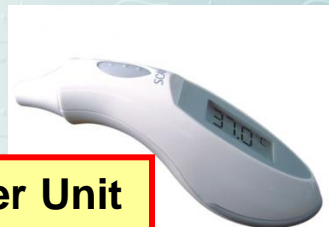
Scale



Stethoscope



Sphygmomanometer



Thermometer Unit

(Include significant observations such as time in suit, inappropriate behaviors, intuitive feelings, etc.)

Figure S11-6 Entry team safety form.

Medical Evaluation Form — Entry Team No. _____

Pre-entry Evaluation

Name	B/P	Pulse	Resp.	Temp.	Weight	EKG

Post-entry Evaluation

Name	B/P	Pulse	Resp.	Temp.	Weight	EKG

5 Minutes Post-entry

Name	B/P	Pulse	Resp.	Temp.	Weight	EKG

Figure S11-7 Medical evaluation form.

13.1.14

Tools / Other

(General Purpose, Hand Tools, Large)

ZONE MARKING, Kit



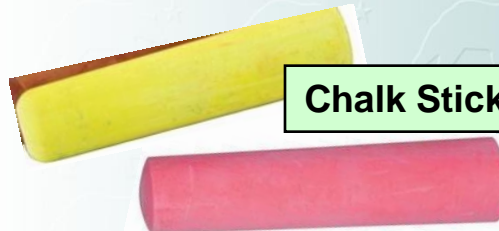
Barricade Tapes



Carpenter Crayons



Chalk Sticks



Spray Chalk



Powder Chalk



13.1.16

Tools / Other

(General Purpose, Hand Tools, Large)

**SCOPE or BINOCULARS,
Spotting**



13.1.18

Tools / Other

(General Purpose, Hand Tools, Small)

HAMMER, Dead Blow



Won't Bounce
Upon Impact



13.21
DEAD BLOW

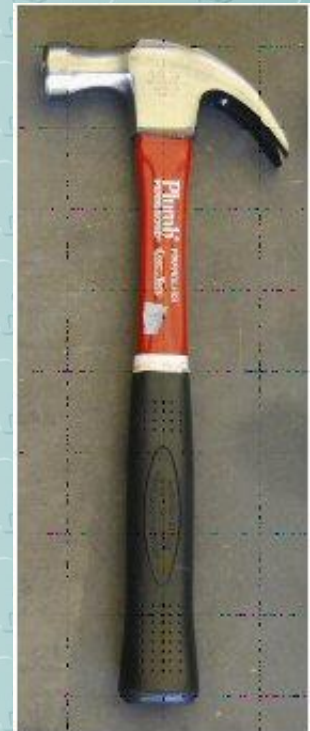
13.2.1

Tools / Other

(General Purpose, Hand Tools, Small)

HAMMER, Claw

20 to 24 oz



13.22
CLAW

13.2.2

Non-Sparking Item # 13.3.7 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

HAMMER, Engineer

(“Mechanics’ Hammer” – 36 to 40 oz.)



13.2.3
ENGINEER

13.2.3

Non-Sparking Item # 13.3.8 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

HAMMER, Ball Peen

16 to 40 oz.



13.2.4

Non-Sparking Item # 13.3.9 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

SCREWDRIVER SET, Chisel Point

Three Different Sizes



13.2.5

Non-Sparking Item # 13.3.10 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

SCREWDRIVER SET, Phillips Point

Three Different Sizes



13.2.6

Non-Sparking Item # 13.3.11 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

PLIERS, Ordinary

(General Utility – Nominal 6” to 10”)



13.2.7

Non-Sparking Item # 13.3.12 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

PLIERS, Wire, Side Cutting



13.2.8

Non-Sparking Item # 13.3.13 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

PLIERS, Long-Nose (Needle Nose 7" to 10")



13.2.9

Non-Sparking Item # 13.3.14 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

PLIERS, Combination (Kit of 3)

(Slip-Joint, Channel Lock, Grove Joint)



13.2.10

Non-Sparking Item # 13.3.15 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

PLIERS, Locking, Set of 4 Different Types and / or Sizes (Vice Grip Type)



13.2.11

Non-Sparking Item # 13.3.11 Acceptable In Lieu Of

Tools / Other

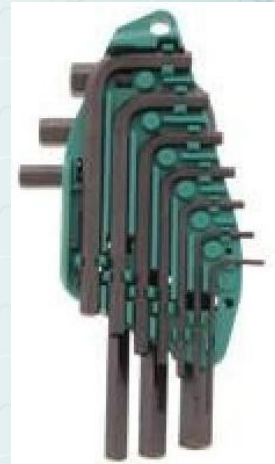
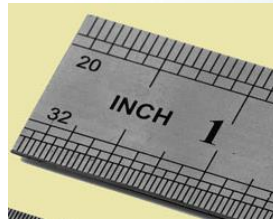
(General Purpose, Hand Tools, Small)

WRENCH, Allen, English

(9 Piece Set)

Item 13.2.12

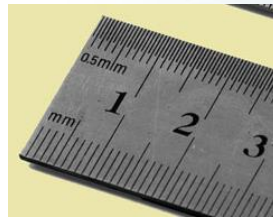
- AND -



WRENCH, Allen, Metric

(9 Piece Set – Metric)

Item 13.2.13



13.2.12 & 1.3.2.13

Tools / Other

(General Purpose, Hand Tools, Small)

WRENCH, Crescent, Adjustable

(2 Different Sizes – 12" and Larger)



13.2.14

Non-Sparking Item # 13.3.18 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

WRENCH, Pipe, Adjustable

(2 Different Sizes – 16” and Larger)



13.2.16

Non-Sparking Item # 13.3.20 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

WRENCH, Bung Cap, Universal



13.2.18

Non-Sparking Item # 13.3.17 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

WRENCH, Combination Set

10 Sizes from 3/8" to 1 3/8"



Reversible Ratchets



13.2.19

Non-Sparking Item # 13.3.22 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

CHISEL, Cold

One – $\frac{3}{4}$ " x 9" to 1" x 12"



13.2.23

Tools / Other

(General Purpose, Hand Tools, *Small*)

PUNCH, Pin, Spring Loaded



13.2.26

Tools / Other

(General Purpose, Hand Tools, Small)

TAPE, Measuring, Retractable (24' Minimum)



13.2.27

Tools / Other

(General Purpose, Hand Tools, Small)

TAPE, Measuring, Re-Wind, non-Metal
(Cloth, Tyvek, Plastic - 50' Minimum)



13.2.28

Tools / Other

(General Purpose, Hand Tools, Small)

KNIFE, Putty, Scraping

2" Wide



13.2.29

Non-Sparking Item # 13.3.26 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

KNIFE, General Utility, Cutting



13.2.30

Tools / Other

(General Purpose, Hand Tools, Small)

SHEARS, Cutting



13.2.31

Non-Sparking Item # 13.3.27 Acceptable In Lieu Of

Tools / Other

(General Purpose, Hand Tools, Small)

STRAPS, Ratchet, Tie Down
Nominal 1" wide x 20', and 1,000 Lbs Rating



13.2.32



Tools / Other

(General Purpose, Hand Tools, Small)

STOP WATCH

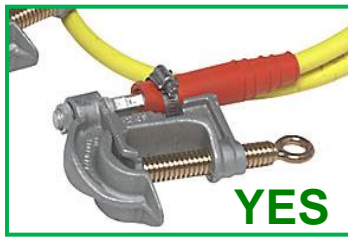


13.2.33

Tools / Other (Special Purpose)

GROUNDING, Cable and Clamps

**3/16 Carbon Steel, 75' minimum total required,
No Shorter than 25' Lengths**



13.3.1

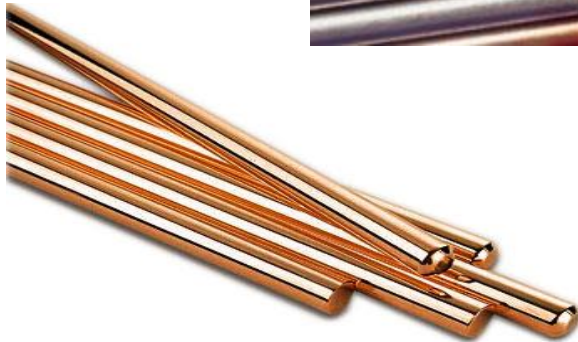


Tools / Other

(Special Purpose)

GROUNDING, Rod

3/8" dia. and 4 to 6 feet Long



13.3.2



Tools / Other

(Special Purpose)

VESTS, ICS, HazMat Group

**For ALL Haz-Mat Group
Positions**

- HM Group Supervisor
- Entry Team Leader
- Site Access Control Leader
- Decon Leader
- Safe Refuge Manager
- Tech / Spec
- Assistant Safety Officer



13.3.3

Tools / Other

(Special Purpose – Non-Sparking)

HAMMER, Non-Sparking, Sledge
(7 to 10 lbs)



13.3.6

Tools / Other

(Special Purpose – Non-Sparking)

HAMMER, Non-Sparking, Claw

20 to 24 oz.



13.3.7

Tools / Other

(Special Purpose – Non-Sparking)

SCREWDRIVER, Non-Sparking, Chisel Point (3 Sizes)



13.3.10

Tools / Other

(Special Purpose – Non-Sparking)

SCREWDRIVER, Non-Sparking, Phillips Point
(3 Sizes)

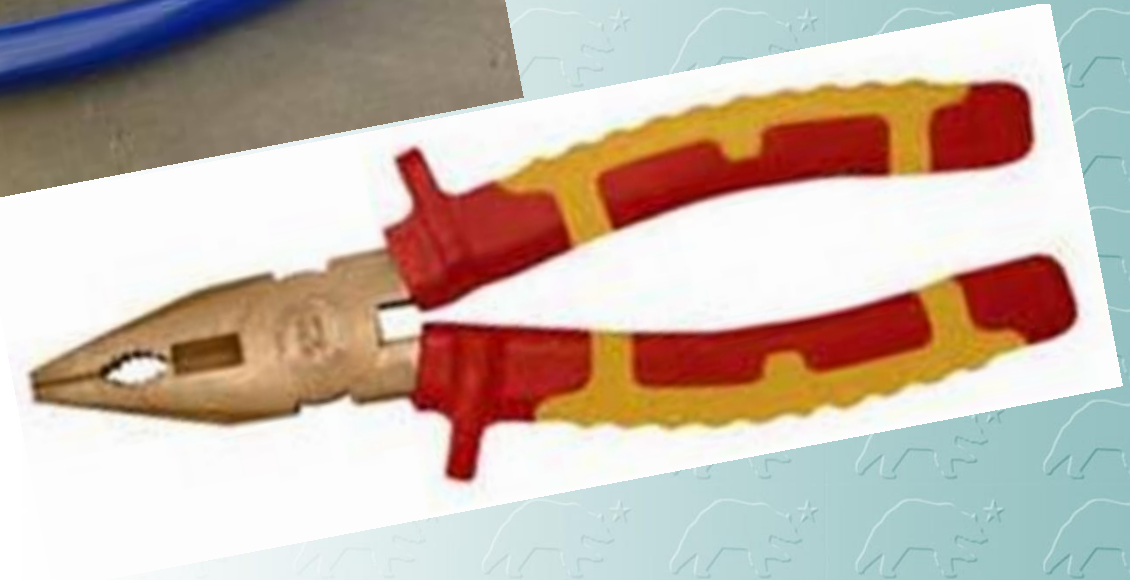


13.3.11

Tools / Other

(Special Purpose – Non-Sparking)

PLIERS, Non-Sparking, Ordinary
(1 – from 6" to 8")



13.3.12

Tools / Other

(Special Purpose – Non-Sparking)

PLIERS, Non-Sparking, Wire Cutter

(1)



13.3.13



Tools / Other

(Special Purpose – Non-Sparking)

PLIERS, Non-Sparking, Long-Nose (Needle Nose - 1)



13.3.14

Tools / Other

(Special Purpose – Non-Sparking)

WRENCH, Non-Sparking, Bung (Universal)



13.3.17

Tools / Other

(Special Purpose – Non-Sparking)

WRENCH, Non-Sparking, Crescent

(2 Different Sizes – Minimum 12")

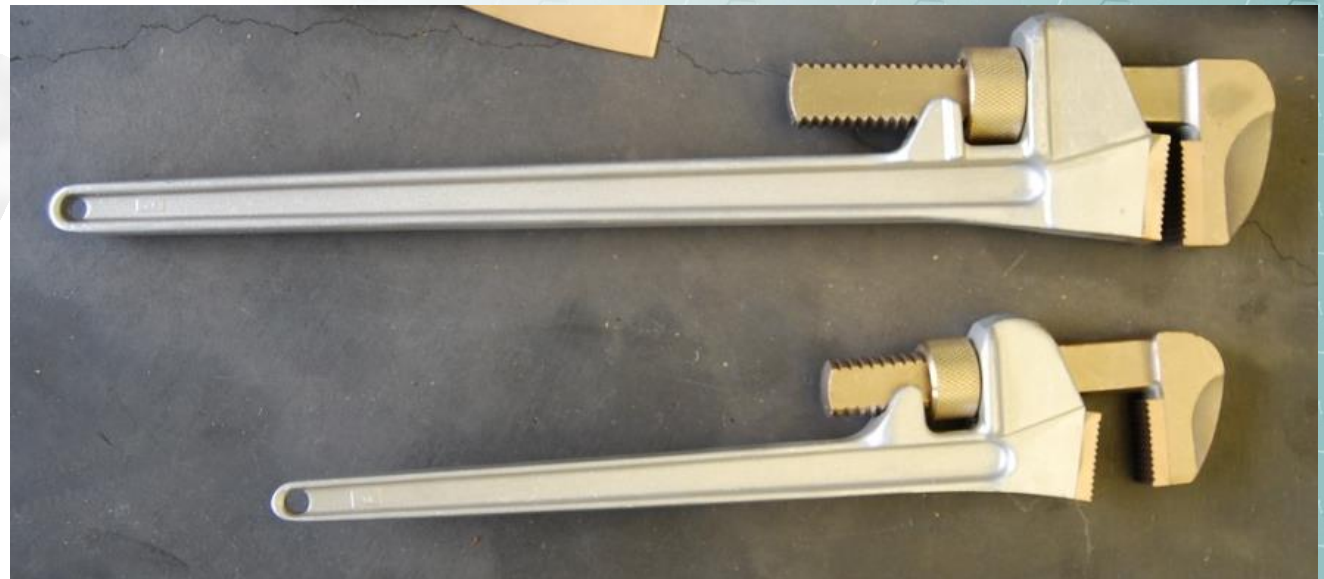


13.3.18

Tools / Other

(Special Purpose – Non-Sparking)

WRENCH, Non-Sparking, Pipe, Adjustable
(2 Different Sizes – Minimum 16")



13.3.20

Tools / Other

(Special Purpose – Non-Sparking)

KNIFE, Non-Sparking, Putty **(2" Wide)**



13.3.26

Tools / Other

(Special Purpose – Non-Sparking)

SHEARS, Non-Sparking, Cutting



13.3.27

Tools / Other

(Special Purpose)

REFRIGERATOR, Utility, Mini



13.3.30