



DON MISSION-ORIENTED PROTECTIVE POSTURE (MOPP) GEAR





OVERVIEW

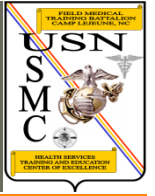


- Definition
- Limitations
- Levels
- Chemical Agent Detection Equipment
- Personal Decontamination



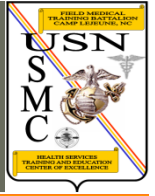
LEARNING OBJECTIVES

Please Read Your
Terminal Learning Objectives
And
Enabling Learning Objectives





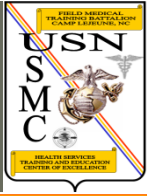
MOPP



Definition:

A flexible system of protection against chemical agents, which is used in chemical warfare to facilitate mission accomplishment.





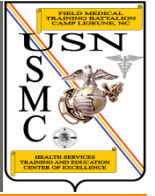


LIMITATIONS OF MOPP



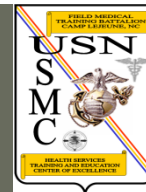
- Heat Exhaustion
- Work Rate
- Five Senses
- Personal Needs
- Eating







FOUR LEVELS OF MOPP





MOPP LEVEL 1



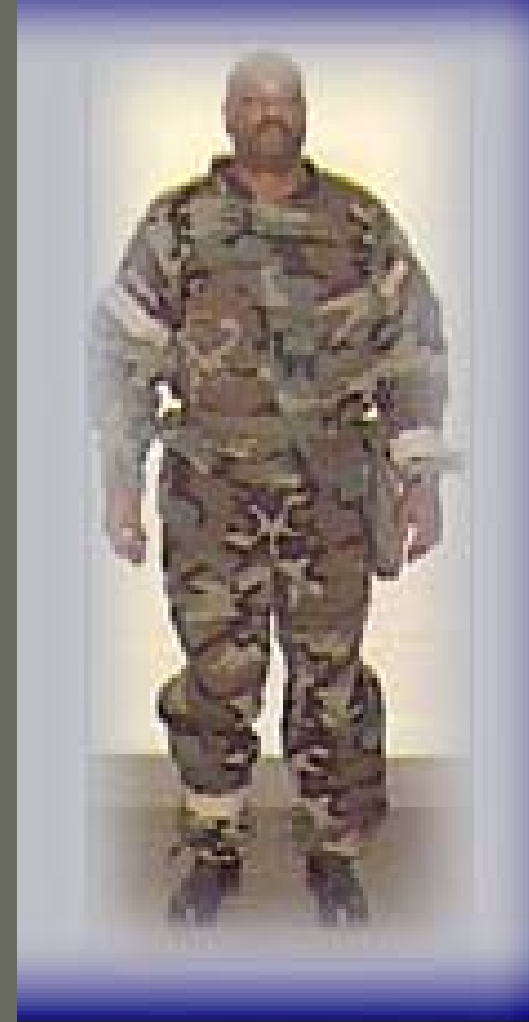
- Established when a *general warning* is given
- Threat of NBC warfare exists



MOPP LEVEL 1

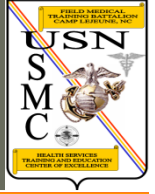


- Over garment is worn, open or closed
- Over boots are carried
- Mask is carried
- Gloves are carried





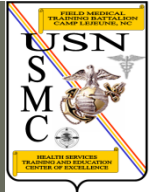
MOPP LEVEL 2



- Established during a tactical situation that requires units to cross terrain where previous use of chemical agents is *unknown*.



MOPP LEVEL 2

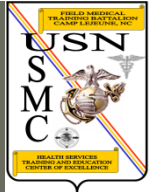


- Over garment is worn, open or closed
- Over boots are worn
- Mask is carried
- Gloves are carried





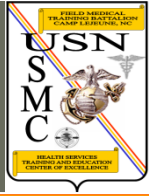
MOPP LEVEL 3



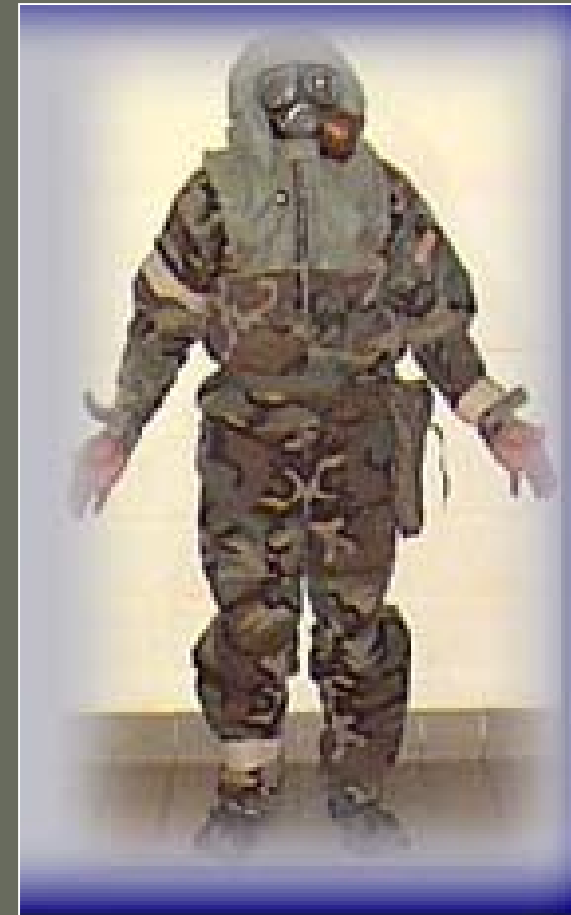
- Established when units are on the move
- Chemical *attack is possible*



MOPP LEVEL 3

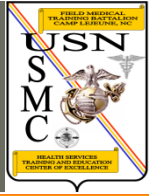


- Over garment is worn and closed
- Over boots are worn
- Mask is worn
 - Hood open or closed
- Gloves are carried





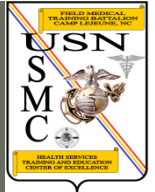
MOPP LEVEL 4



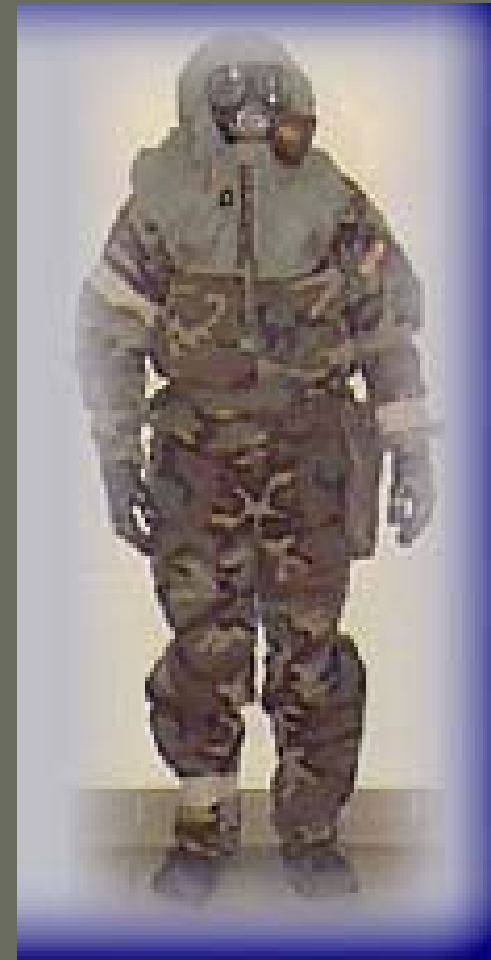
- Established when units are *operating within an area of contamination*
- Chemical attack is *imminent*

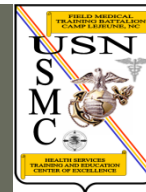


MOPP LEVEL 4



- Over garment is closed
- Over boots are worn
- Mask and hood are worn
 - Closed
- Gloves are worn

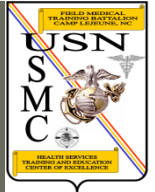




DEMONSTRATION

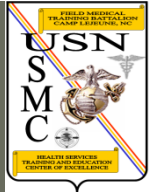


CHEMICAL DETECTION

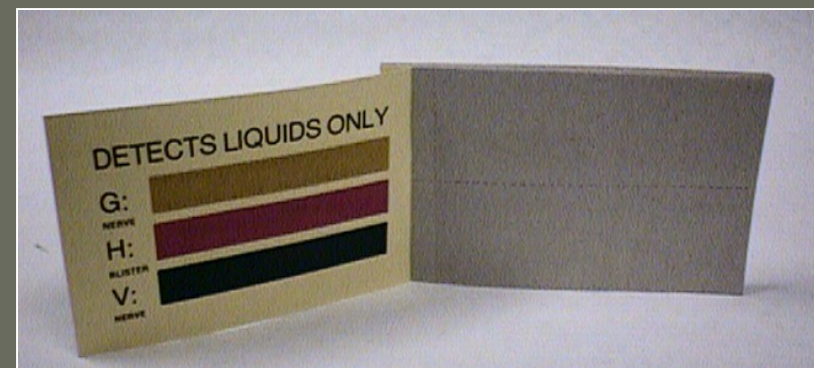
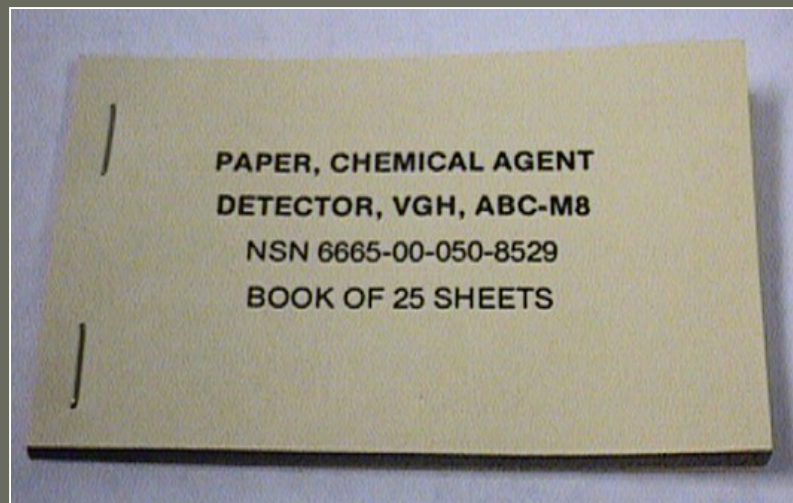




M-8 CHEMICAL AGENT DETECTOR PAPER



- Purpose
 - To identify the type of chemical agent present in liquid form on the battlefield
- Supplied
 - In a booklet and carried within the M40 field protective mask carrier





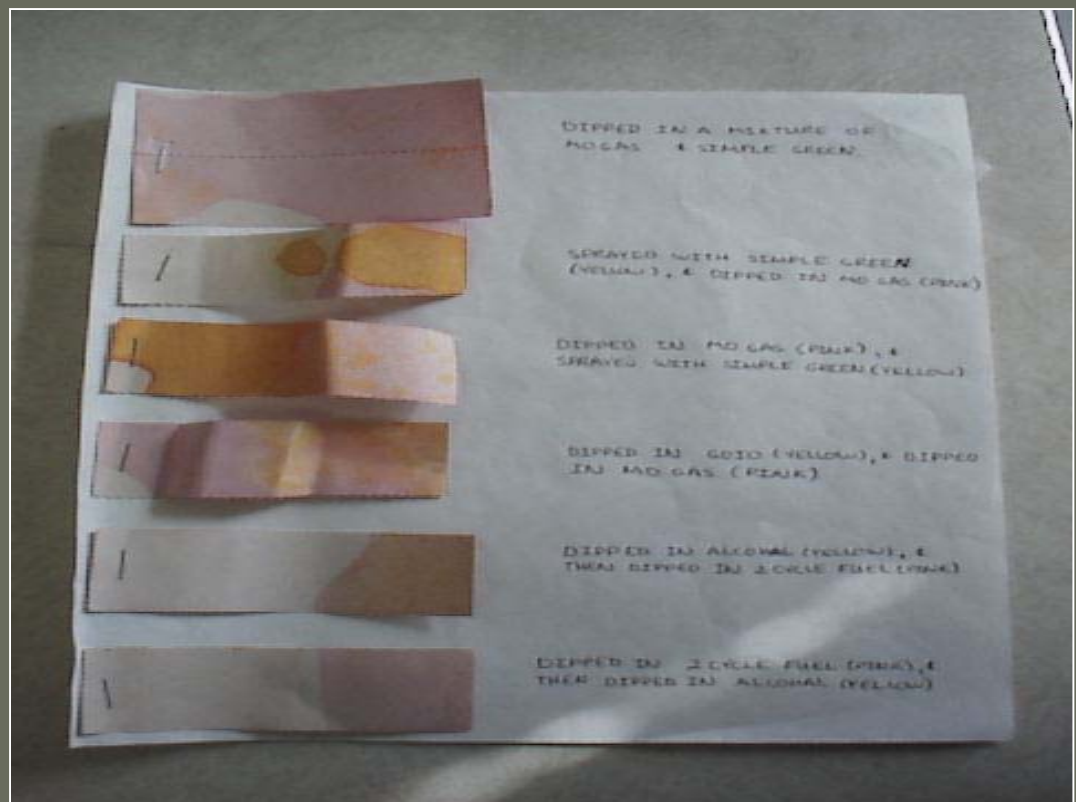
M-8 CHEMICAL AGENT DETECTOR PAPER



- Use
 - When an unknown liquid suspected of being a chemical agent is encountered, immediately don the M40 field protective mask and protective suit.
 - Obtain the M8 paper booklet from the carrier.
 - Remove a half sheet from the booklet, and if possible, affix the sheet to a stick
 - Blot the paper onto the unknown liquid and wait for 30 seconds for a color reaction to occur

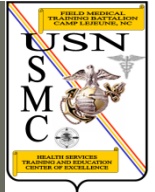
M-8 CHEMICAL AGENT DETECTOR PAPER

- Use
 - Compare to the colors on the inside of the front cover of the booklet for identification.



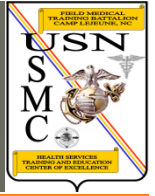


M-9 CHEMICAL AGENT DETECTOR PAPER





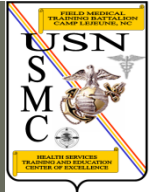
M-9 CHEMICAL AGENT DETECTOR PAPER



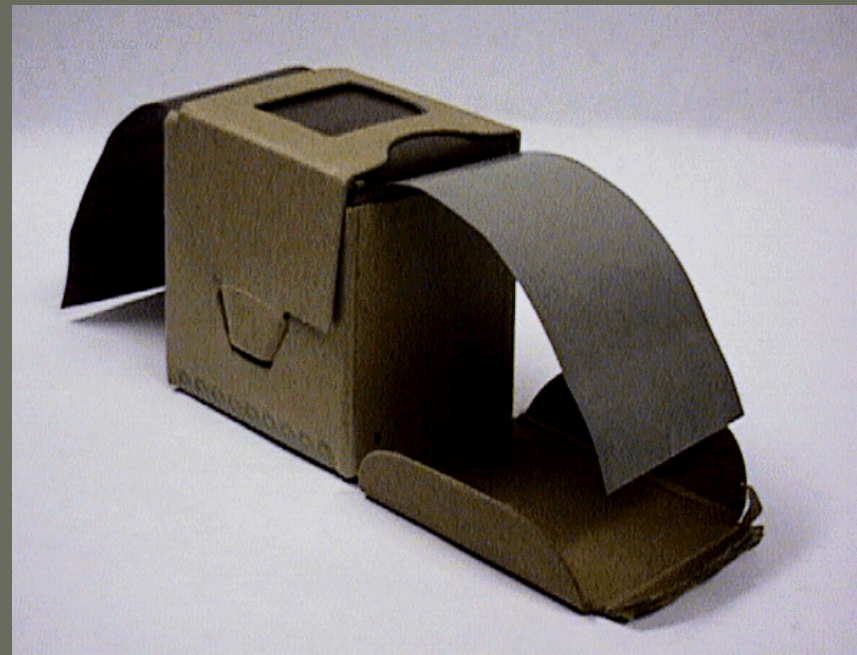
- Purpose:
 - Used to detect the presence of liquid nerve and blister chemical agents
 - Does not identify either the specific agent or the type of agent encountered



M-9 CHEMICAL AGENT DETECTOR PAPER

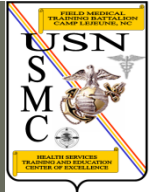


- Supplied:
 - M9 detector paper comes in:
 - 30 feet long X 2 inch wide roll strip
 - Has adhesive backing to facilitate wrapping the tape to clothing





M-9 CHEMICAL AGENT DETECTOR PAPER

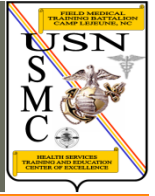


- Instructions for use:
 - Place tape around a sleeve and a trouser leg of the over garments.
 - Absence of liquid agent
 - The paper is a dull off-white or cream color
 - When dissolved in liquid agent
 - The indicator chemical, turns a reddish color





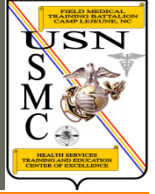
M-9 CHEMICAL AGENT DETECTOR PAPER



- Instructions for use:
 - When the tape turns a reddish color,
 - Immediately don your protective mask and alert others.
 - If there is a possibility of skin contamination,
 - Immediately decontaminate the suspected area



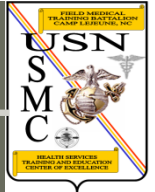
M-9 CHEMICAL AGENT DETECTOR PAPER



- False reading can occur:

False positive results can occur if liquid insecticides are on the surface being tested.

Antifreeze and petroleum products will also cause false positive reactions.



M-256 A1 CHEMICAL AGENT DETECTOR KIT



M-256 A1 CHEMICAL AGENT DETECTOR KIT

- Purpose:
 - Used to detect and identify chemical agents present, either as a liquid or as a vapor
- Supplied:
 - A booklet of M8 paper to detect agents in liquid form



M-256 A1 CHEMICAL AGENT DETECTOR KIT

Instructions for use:

- Following the instructions, testing can be completed in approximately 20 minutes.
- During testing is it important to keep the ticket out of direct sunlight.



- The ticket must be kept stationary during all parts of the test.



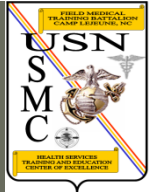


M291 SKIN DECONTAMINATING KIT

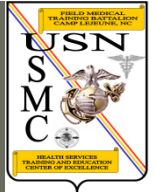




M291 SKIN DECONTAMINATING KIT



- Purpose:
 - To absorb and neutralize liquid chemical agents present on the skin
- Supplied:
 - Comes with six identical packets
 - Each contains a mixture of activated resins in the form of applicator pads



M291 SKIN DECONTAMINATING KIT

- Instructions for use:
 - Remove a packet from the kit
 - Remove the applicator pad
 - Apply an even coating of the black resin powder while scrubbing the entire skin area suspected to be contaminated
 - Be sure to keep resin out of the eyes, mouth, and open wounds.





PRACTICAL APPLICATION



DON MISSION-ORIENTED PROTECTIVE POSTURE (MOPP) GEAR

