



Office of Training  
and certification

# New Jersey Division of Fire Safety

## BASIC PRACTICAL SKILLS EXAMINATION REPORT

Skill sheet #

**HMA-5**

Certification Title

**Hazardous Materials, Awareness Level  
INITIATING PROTECTIVE ACTIONS**

### Applicant Information

Candidate name

DFS ID #

Course #

### Evaluation

#### Standard:

**NFPA 470 - 2022 Edition:  
5.2.1, 5.3.1**

#### Task

Given a UN Number or a chemical name, provide the appropriate information requested.



#### Conditions and Outcome

Given the Current Department of Transportation Emergency Response Guidebook (ERG), the candidate shall use the ERG to complete the questions below. **The candidate will complete this task with a minimum of 25 items answered correctly.**

Number	Task Steps	First Test		Retest #1		Retest #2	
		Pass	Fail	Pass	Fail	Pass	Fail
1.	Chemical Name of UN Number 1051?						
2.	Small Spill Initial Isolation Distance for UN 1051? (m/ft)						
3.	Large Spill Initial Isolation Distance (day) of UN 1051? (m/ft)						
4.	Large spill Protective Action Distance (Night) for UN 1051? (k/mi)						
5.	Guide Number for UN 1051?						
6.	UN Number for Methyl Isocyanate?						
7.	Small Spill Initial Isolation Distance for Methyl Isocyanate (no fire)? (m/ft)						
8.	Large Spill Protective Action Distance (Day) for Methyl Isocyanate (no fire)? (k/mi)						
9.	Large Spill Protective Action Distance (Day) for Methyl Isocyanate (no fire)? (k/mi)						
10.	Guide Number for Methyl Isocyanate?						
11.	Guide Number for Hazard Class 2.1?						
12.	Evacuation Distance for Large Fire involving Hazard Class 2.1? (m/ft)						
13.	Entries highlighted in Green (within the Yellow and Blue pages) refer to what concern?						
14.	For UN 2531, the letter "P" next to the Guide Number signifies what?						

# Hazardous Materials, Awareness Level

Page 2

15.	In terms of hazardous materials, what does the <b>TIH</b> stand for?							
16.	What is the telephone number for <b>CHEMTREC®</b> ?							
17.	What is the telephone number for the Nationwide Poison Control Center?							
18.	For a <b>DOT 407</b> , what Guide Number is used:							
19.	What type of protective clothing shall be worn for <b>UN 1017</b> ?							
20.	Describe two potential hazards associated with a fire or explosion involving <b>Propane</b> :							
21.	Describe two potential hazards related to health involving <b>Fluorine</b> :							
22.	Describe the emergency response actions for a large fire involving <b>Gasoline</b> :							
23.	Describe the emergency response actions for a spill or leak involving <b>Chlorine</b> :							
24.	Describe the emergency response actions for first aid involving a <b>UN 1052</b> spill or leak:							
25.	In general, is a hazardous liquid spill of <b>three 55-gallon drums</b> considered a large or a small spill?							
26.	Define: Isolating the Hazard Area:							
27.	Define: Denial of Entry:							
28.	The process of leaving or being removed from potentially hazardous location is called:							
29.	Having occupants remain in a structure or vehicle in order to provide protection from a rapidly approaching hazard is defined as:							
	Which of the following shapes identify the initial isolation zone and protective action zone (as shown in the ERG)							
30.								
31.								
Final Test Result for Entire Task								

# Hazardous Materials, Awareness level

Page 3

Evaluator signature & comments, Test #1		Evaluator signature & comments, Retest #1		Evaluator signature & comments, Retest #2	
Evaluator signature	Date	Evaluator signature	Date	Evaluator signature	Date
Candidate signature & acknowledgement, Test #1		Candidate signature & acknowledgement, Retest #1		Candidate signature & acknowledgement, Retest #2	
By my signature below, I acknowledge I have read and understood the evaluation results and evaluator comments		By my signature below, I acknowledge I have read and understood the evaluation results and evaluator comments		By my signature below, I acknowledge I have read and understood the evaluation results and evaluator comments	
Candidate signature	Date	Candidate signature	Date	Candidate signature	Date

Form DFS-SS-1, 10/12

Updated and approved by NJ SME Committee 11/28/23.

Updated 03/05/2024