



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?						

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.								
<b>Final Test Result for Entire Task</b>								

# Hazardous Materials, Awareness level

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.  
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