

United States Department of Transportation Pipeline and Hazardous Materials Safety

Administration

Emergency Response Guidebook (ERG)

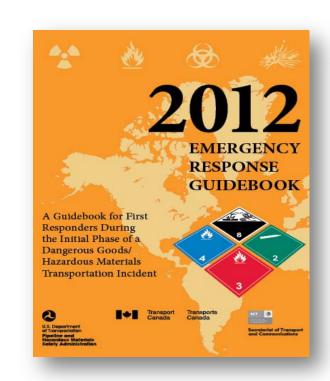


2012 ERG

Internationally Recognized

Four Year Publication

 Joint Collaboration Canada, Mexico





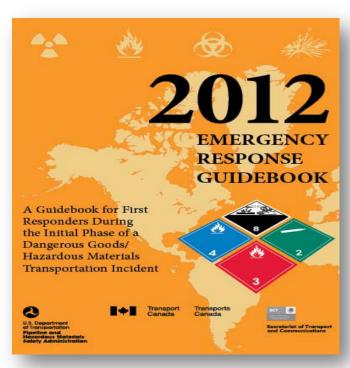
2012 ERG







ERG Layout

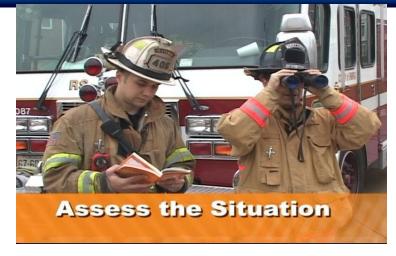


- White Pages
- Bordered Pages
 - Yellow
 - Blue
 - Orange
 - Green



Hazmat Incident







Incidents from Upwind



Clear of All Spills, Vapors, Fumes, Smoke



How to Use the ERG

1) Identify the Material

2) Look up 3-Digit Guide Number

3) Turn to Numbered Guide Read Carefully

HOW TO LISE THIS CHIDEROOK

APPROACH INCIDENT FROM UPWIND, UPHILL OR UPSTREAM
STAY CLEAR OF ALL SPILLS, VAPORS, FUMES, SMOKE AND SUSPICIOUS SOURCE

STEP ONE: IDENTIFY THE MATERIAL AND USE ANY OF THE FOLLOWING:

- . IDENTIFICATION NUMBER (4-DIGIT ID AFTER UN/NA) FROM A:
 - PLACARD
 ORANGE PANEL
- SHIPPING PAPER OR PACKAGE
- NAME OF THE MATERIAL FROM A:
- SHIPPING DOCUMENT OR PACKAGE

STEP TWO: IDENTIFY 3-DIGIT GUIDE NUMBER, USE

- ID NUMBER INDEX in yellow-bordered pages or
- NAME OF MATERIAL INDEX in <u>blue-bordered pages</u>
 Guide number supplemented with the letter (P) indicates that the material may undergo violent polymerization if subjected to heat or contamination.

INDEX ENTRIES HIGHLIGHTED IN GREEN are a TIH (Toxic Inhalation Hazard) material, a chemical warfare agent or a Dangerous Water Reactive Material (produces toxic gas upon contact with water).

IDENTIFY ID HUMBER AND NAME OF MATERIAL IN TABLE 1 – INITIAL ISOLATION AND

IF NECESSARY, BEGIN PROTECTIVE ACTIONS IMMEDIATELY (see Protective Actions page 288). If no protective action required, use the information pointly with the 3-digit guide. IF A REFERENCE TO A GUIDE CANNOT BE FOUND AND THIS INCIDENT IS BELIEVED TO INVOLVE DANGEROUS GOODS:

- . Use GUIDE 111, UNTIL ADDITIONAL INFORMATION BECOMES AVAILABLE
- Use GUIDE 112, EXPLOSIVES (other than 1.4 and 1.6)
- Use GUIDE 114, EXPLOSIVES (1.4 and 1.6)

STEP THREE: TURN TO THE NUMBERED GUIDE (the orange-bordered pages) READ CAREFULLY.

IF A PLACARD IS THE ONLY SOURCE OF INFORMATION, turn to pages 6-7 and use the 3-digit guide next to the placard and Proceed to Numbered Guide in orange-bordered pages.

AS A LAST RESORT: IF ONLY THE CONTAINER CAN BE IDENTIFIED, CONSULT THE TABLE OF RAIL CAR AND ROAD TRAILER IDENTIFICATION CHART (pages 8-9). INFORMATION ASSOCIATED WITH THESE CONTAINERS IS FOR WORST-CASE SCENARIOS.

CALL THE EMERGENCY RESPONSE TELEPHONE NUMBER:

- Listed on the shipping paper, if available.
- If shipping paper is not available, IMMEDIATELY CALL the appropriate emergency response agency telephone number listed on the inside back cover of this guidebook.
- Provide as much information as possible, such as the name of the carrier (trucking company or railroad) and vehicle number.

BEFORE AN EMERGENCY - BECOME FAMILIAR WITH THIS GUIDEBOOK!

First responders must be trained in the use of this guidebook

Page 1



Yellow Bordered Pages

4-Digit UN ID Number

Listed in Numerical Order

 Guide Page Number Proper Shipping Name

	Guid No.		No.	Guid No.	
3306	124	Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone D)	3307	124	Liquefied gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone C)
		Compressed gas, toxic, oxidizing, corrosive, n.o.s.	3307	124	Liquefied gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone D)
3306	124	compressed gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone A)	3308	123	Liquefied gas, poisonous, corrosive, n.o.s.
3306	124	Compressed gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone B)	3308	123	Liquefied gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone A)
3306	124	Compressed gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone C)	3308	123	Liquefied gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone B)
3306	124	Compressed gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone D)	3308	123	Liquefied gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone C)
		Liquefied gas, poisonous, oxidizing, n.o.s.	3308	123	Liquefied gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone D)
3307	124	Liquefied gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone A)	3308	123	Liquefied gas, toxic, corrosive, n.o.s.
3307	124	Liquefied gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone B)	3308	123	Liquefied gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone A)
3307	124	Liquefied gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone C)	3308	123	Liquefied gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone B)
3307	124	Liquefied gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone D)	3308	123	Liquefied gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone C)
		Liquefied gas, toxic, oxidizing, n.o.s.	3308	123	Liquefied gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone D)
3307	124	Liquefied gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone A)	3309	119	Liquefied gas, poisonous, flammable, corrosive, n.o.s.
3307	124	Liquefied gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone B)	3309	119	Liquefied gas, poisonous, flammable, corrosive, n.o.s. (Inhalation Hazard Zone A)



Blue Bordered Pages

Proper Shipping Name

- Listed Alphabetical Order
- Guide Page Number UN ID Number

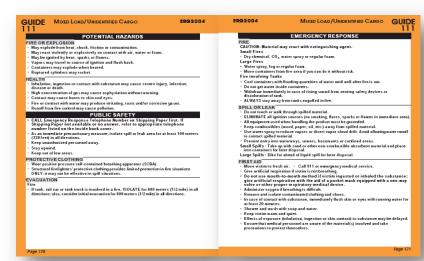
Name of Material	Guide No.	ID No.	Name of Material	Guide No.	1000
Compressed gas, poisonous, n.o.s. (Inhalation Hazard Zone C)	123	1955	Compressed gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone B)	123	330
Compressed gas, poisonous, n.o.s. (Inhalation Hazard Zone D)	123	1955	Compressed gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone C)	123	330
Compressed gas, poisonous, oxidizing, corrosive, n.o.s.	124	3306	Compressed gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone D)	123	330
Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone A)	124	3300	Compressed gas, toxic, flammable, corrosive, n.o.s.	119	330
Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone B)	124	3306	Compressed gas, toxic, flammable, corrosive, n.o.s. (Inhalation Hazard Zone A)	119	330
Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone C)	124	3306	Compressed gas, toxic, flammable, corrosive, n.o.s. (Inhalation Hazard Zone B)	119	330
Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone D)	124	3306	Compressed gas, toxic, flammable, corrosive, n.o.s. (Inhalation Hazard Zone C)	119	330
Compressed gas, poisonous, oxidizing, n.o.s.	124	3303	Compressed gas, toxic, flammable, corrosive, n.o.s, (Inhalation Hazard Zone D)	119	330
Compressed gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone A)	124	3303	Compressed gas, toxic, flammable, n.o.s.	119	195
Compressed gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone B)	124	3303	Compressed gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone A)	119	195
Compressed gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone C)	124	3303	Compressed gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone B)	119	195
Compressed gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone D)	124	3303	Compressed gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone C)	119	195
Compressed gas, toxic, corrosive, n.o.s.	123	3304	Compressed gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone D)	119	195
Compressed gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone A)	123	3304	Compressed gas, toxic, n.o.s.	123	195



Orange Bordered Pages

Guidance Organized in Sections:

- 1. Potential Hazards
- 2. Public Safety
- 3. Emergency Response







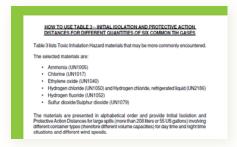


Green Bordered Pages

- Table 1 Initial Isolation and Protective Action Distances
- Table 2 Water Reactive Materials
 Produce Toxic Gases
- Table 3 Six Common Toxic Inhalation Hazard Gases

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1016 1016	Cultur revenils Curbon research compressed	3011	100.0	tile	0.146	2780	\$110	10011	See al	6.7km	35.49	2ftm	HA	
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М	Materials Which Produce Large Amounts of Toxic-by-Inhalation (TIH) Gas(es) When Spilled in Water					
ID No.	Guide No.	Name of Material	TIH Gas(es) Produced			
1162	155	Dimethyldichloroslane	HCI			
1183	139	Ethyldchlorosiane	HCI			
1196	155	Ethyltrichlorosilane	HCI			
1242	139	Methyldichlorosilane	HCI			
1250	155	Methyltrichlorosilane	HCI			
1295	139	Trichlorosilane	HCI			
1298	155	Trimethylchlorositane	HCI			
1305	155P	Vinyltrichlorosilane	HCI			
305	155P	Vinyltrichlorosilane, stabilized	HCI			
340	139	Phosphorus pentasulfide, free from yellow and white Phosphorus	H,S			





Where to Find More Information...



http://hazmat.dot.gov