

First Guide is a Training Reference Guide

First Guide, is a condense version of the 2000 Emergency Guidebook into a Microsoft Access Database. This database cross-reference two sections of the Emergency Response Guidebook into a two easy use excess formats:

- 1) Hazardous Materials Control Hazards
- 2) Fire Control Hazards

From these two sections the user can be search the database by either typing the DOT “Chemical Name” or the UN/NA “number”. First Guide is able to provide a one-page summary report of the slected section.

These summary reports combines the needed information throughout the response guidebook: Chemical Name, UN/NA number, ER Guide number, chemical classification, chemical hazards, recommended levels of protection, initial isolation, protection distance, and fire evacuation distance, plus the NFPA Rating.

This database should be consider as a training reference guide and should not replace the current ERG or NFPA reference material.

Problems with First Guide:

- 1) For some of the water reactive compounds have two listings under the “Initial Isolation and Protection Action Distances” two distances were listed in the summary, one for water and the other for land, and these will be noted by “water/land”.
- 2) Some UN/NA “Number” will have more than one chemical or mixture listing.
- 3) Not all the DOT chemicals are listed with the NFPA.
- 3) The Database is for DOT/ ERG listed chemicals only; Trade names or other listings will not work.
- 4) The Microsoft Access program must have default printer listed in computer order to use the First Guide database
- 5) If your have trouble opening the file. Copy the file to your computer.

First Guide: Spill Control

An Electronic DOT Chemical Database of the 2000 Emergency Response Guidebook with their NFPA Rating.

Chemical Name

Ethyleneimine, inhibited

UN/NA

1185

ER Guide

131

Classification

Flammable Liquids-Toxic

Hazards

Polymerization Reactive, Flammable Liquids, Toxic by Inhalation and absorption

NFPA Rating: *Flammability* *Reactivity* *Health* *Special*

3 3 4

Recommended Level of Protection:

Level A w/ chemical protective clothing specifically recommended by the manufacturer. SCBA & Structural firefighter's clothing only provide limited protection.

Initial Isolation and Protection Action Distances

Small Releases of < 50 gallons

*Initial Isolation
Distance in Feet*

100

*Day-Time Protection Distance
Downwind in Miles*

0.2

*Night-Time Protection
Distance Downwind in Miles*

0.5

Large Releases of > 50 gallons

*Initial Isolation
Distance in Feet*

500

*Day-Time Protection Distance
Downwind in Miles*

0.9

*Night-Time Protection
Distance Downwind in Miles*

2.2

NFPA Rating Summary

Flammability

- 4 Danger Flammable gas or extremely flammable liquid
- 3 Warning Flammable liquid flash point below 100° F
- 2 Caution Combustible liquid flash point of 100° to 200° F
- 1 Combustible if heated
- 0 Not combustible

Health

- 4 Danger May be fatal on short exposure. Specialized protective equipment required
- 3 Warning Corrosive or toxic. Avoid skin contact or inhalation
- 2 Warning May be harmful if inhaled or absorbed
- 1 Caution May be irritating
- 0 No unusual hazard

Reactivity

- 4 Danger Explosive material at room temperature
- 3 Danger May be explosive if shocked, heated under confinement or mixed with water
- 2 Warning Unstable or may react violently if mixed with water
- 1 Caution May react if heated or mixed with water but not violently
- 0 Stable Not reactive when mixed with water

Special Notice Key
W Water Reactive
OX Oxidizing Agent
A Air Reactive

*Toxic by Inhalation and absorption
for most chemicals listed in this
Database.*

Not all Chemicals are listed in the NFPA. For DOT listed Chemicals Only

Protection Distance: Land or Water/Land ++ Increase Distance as necessary.

First Guide: Fire Control

An Electronic DOT Chemical Database of the 2000 Emergency Response Guidebook with their NFPA Rating.

Chemical Name

Ethyleneimine, inhibited

UN/NA

1185

ER Guide

131

Classification

Flammable Liquids-Toxic

Hazards

Polymerization Reactive, Flammable Liquids, Toxic by Inhalation and absorption

Level of Protection: SCBA and Structural Firefighter's clothing only provide limited protection.

Fire Evacuation Distance in Miles

0.5

NFPA Rating: Flammability Reactivity Health Special

3

3

4

Small Fire Response:

Dry Chemical, CO₂, Water Spray or Alcohol-resistant Foam

Large Fire Response:

Water Spray, Fog or Alcohol-resistant Foam, Dike: Control Run-off.

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