



TOLLAND FIRE DEPARTMENT RESEARCH OFFICER CHECKLIST

Type of Incident _____

Location _____

Date _____ Time _____ Weather _____

Haz Mat Group Supervisor: _____

GENERAL

- Research Officer _____
- Research located in Cold Zone
- Personnel assigned to Research

1. _____
2. _____
3. _____
4. _____

HAZARDOUS MATERIALS IDENTIFIED

1. _____
2. _____
3. _____
4. _____
5. _____

- MSDS or Shipping Papers acquired
- Chemical Hazards Tactical Worksheet completed for each material
- Material(s) referenced and verified with minimum of (3) resources



TOLLAND FIRE DEPARTMENT RESEARCH OFFICER CHECKLIST

On-Site Specialists Consulted: _____

Resource Used:

DOT Guidebook

NIOSH Pocket Guide

Computer Database

Wiser

Manufacturer

Chemtrec

Other: _____

Other: _____

Other: _____

Other: _____

Evacuation distances determined:

Chemical	Initial	Extended	Reference

Weather forecast obtained

Source: _____

Source: _____

Source: _____



TOLLAND FIRE DEPARTMENT

RESEARCH OFFICER CHECKLIST



EXPOSURES

1. Life _____
2. Environment _____
3. Property _____

- INFORMATION GIVEN TO HAZ MAT BRANCH DIRECTOR
- INFORMATION GIVEN TO HAZ MAT GROUP SUPERVISOR
- INFORMATION GIVEN TO MEDICAL OFFICER
- INFORMATION GIVEN TO DECONTAMINATION OFFICER
- INFORMATION GIVEN TO SAFETY OFFICER
- INFORMATION GIVEN TO ENTRY / RECON OFFICER

- Hazard map created (Zones) (See Attached Maps)
- Tactical Worksheets completed (See Attached Sheets)



**TOLLAND FIRE DEPARTMENT
RESEARCH OFFICER CHECKLIST**



**SITE MAP
(Field Map of Incident)**



TOLLAND FIRE DEPARTMENT RESEARCH OFFICER CHECKLIST



CHEMICAL TACTICAL WORKSHEET						
Chemical Name				Placard		
UN ID#						
PHYSICAL PROPERTIES						
<input type="checkbox"/> Solid		<input type="checkbox"/> Liquid		<input type="checkbox"/> Vapor		<input type="checkbox"/> Gas
Vapor Density	Specific Gravity	Water Solubility	Vapor Pressure	Boiling Point	Current Temp.	Expansion Ratio
CHEMICAL PROPERTIES						
HEALTH						
TLV-TWA	TLV-STEL	TLV-C	IDLH	LC50	LD50	LC10
FLAMMABILITY						
Flash Point	LEL		UEL		Ignition Temperature	
REACTIVITY				OTHER ISSUES		



TOLLAND FIRE DEPARTMENT RESEARCH OFFICER CHECKLIST



<ul style="list-style-type: none"> <input type="checkbox"/> Oxygen Deficient <input type="checkbox"/> Oxygen Enriched <input type="checkbox"/> Unstable <input type="checkbox"/> Water Reactive <input type="checkbox"/> Air Reactive <input type="checkbox"/> Pressure Potential <input type="checkbox"/> Confinement <input type="checkbox"/> Explosive <input type="checkbox"/> Hypergolic <input type="checkbox"/> Polymerization 	
---	--

CHEMICAL COMPATIBILITY WORKSHEET				
Name	PEL	IDLH	Primary DOT Hazards	
Primary Exposure Routes		<input type="checkbox"/> Inhalation	<input type="checkbox"/> Skin	<input type="checkbox"/> Ingestion
Exposure Method		<input type="checkbox"/> Vapor / Gas	<input type="checkbox"/> Liquid	<input type="checkbox"/> Solid/Dust
Degree / Hazard	<input type="checkbox"/> Unknown /Energy	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low

Chemical Suit Fabric	Breakthrough Time	Permeation Rate	Reference Source
1.			
2.			
Chemical Glove Material	Breakthrough Time	Permeation Rate	Reference Source
1.			
2.			
Chemical Boot Material	Breakthrough Time	Permeation Rate	Reference Source
1.			
2.			



TOLLAND FIRE DEPARTMENT RESEARCH OFFICER CHECKLIST

Other Hazards	<input type="checkbox"/> Fire or Explosion	<input type="checkbox"/> Mechanical Cuts & Tears	<input type="checkbox"/> Slips & Falls

Activities to Be Performed				
Atmospheric Concentrations	Oxygen	Toxicity	Flammability	Other