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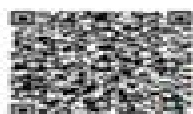
## Hazardous Materials Markings, Labeling and Placarding Guide

Refer to 49 CFR, Part 172:

Marking - Subpart D

Labeling - Subpart E

Placarding - Subpart F



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**NOTE:** This document is for general guidance only and should not be used to determine compliance with 49 CFR, Parts 100-185.

## HAZARDOUS MATERIALS MARKINGS

Packaging Orientation  
(Red or Black)



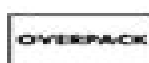
§ 172.312(a)

Keep Away from Heat



§ 172.317

Overpack Mark



§ 172.254(a)

Pungent Marking



§ 172.302(g)(4) and § 173.9

Material Poisonous by Inhalation



§ 172.312(a)

Exposed Temperature Material



§ 172.325

UN ID Number Mark



§§ 172.302 and § 172.334

Biological Substances, Category B



§ 172.109 (a)(2)

Drum Battery Handling Mark



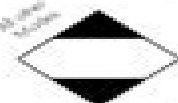
§ 172.345

Marine Pollutant



§ 172.322

Limited Quantity



§ 172.315



Biological Mark



§ 172.303

Petroleum Sour Crude Oil



§ 172.327

Excessed Quantity



§ 172.444(g)

# Dot Hazardous Materials Guide

**United States. Environmental  
Protection Agency**

A red circular graphic with a gradient, appearing as a partial circle or a thick arc, located to the right of the EPA text box.

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*Transportation of Hazardous Materials* Nicholas P. Cheremisinoff, 1994-12-31 This book has been written as a guidebook to understanding and applying the Department of Transportation DOT Hazard Materials Regulations HMR to the shipment and handling of regulated hazardous materials The intent is to provide a general reference that can be used by industry managers to provide training on hazard awareness and to assist in job specific training of employees involved in regulated hazardous materials and articles transportation DOT specifies that all employees involved in the preparation handling and transportation of hazardous materials and hazardous wastes be trained in the regulations This is designed to increase safety awareness and to improve emergency preparedness for responding to transportation incidents      *HazMat Data* Richard P. Pohanish, 2005-02-18 The HazMat Data 2nd Edition provides a detailed reference for emergency responders and people who transport chemicals Considering the events of September 11 the book is especially oriented toward first responder and emergency management personnel Additions to this new Second Edition include Spanish language synonyms for all entries and an increased overall number of synonyms New to this edition is information on chemical warfare CW agents and Weapons of Mass Destruction WMD nerve gasses blister agents vesicants blood agents choking pulmonary agents and crowd control agents tear gasses pepper sprays etc that might be used as weapons of terrorism It clearly explains symptoms of exposure and appropriate treatment for the exposure when available and describes what to do in an emergency situation The book also gives the NFPA hazard classifications as well as chemical hazard class information Newly updated The HazMat Data 2nd Editio provides a comprehensive up to date summary of this vital information      *Hazardous Waste Handbook* John Lippitt, Paul Webb, William Martin, 2000-10-05 Hazardous Waste Handbook 3E offers a straightforward approach to protecting workers who clean up the nation s hazardous waste sites and chemical spills Supervisors and site inspectors will find this handbook very useful in answering occupational health questions at the work site The manual covers such topics as site characterization air monitoring personal protective equipment decontamination and site emergencies Numerous health and safety checklists hazardous chemical data sheets and personal protective equipment recommendations are presented for field decisions The goal of the book is to provide practical information on protecting workers while also containing the high cost of hazardous chemical waste cleanups Provides practical information on protecting workers and keeping cleanup costs down Designed to allow supervisors and site inspectors to find information quickly Offers numerous health and safety checklists hazardous chemical data sheets and recommendations on protective equipment      **Handbook of Hazardous Waste Management for Small Quantity Generators** Russell W. Phifer, 2020-08-26 Special features of this book include practical

how to instructions state federal regulations plus overview lab waste management interpretations of regulations enforcement generator checklist and complete coverage This handbook is an excellent resource for hazardous waste managers safety managers lab managers occupational health safety workers hazardous waste brokers and small business managers Disposal facilities trade associations consultants administrators attorneys unions and industrial hygienists will find this practical guide useful as well      **Hazardous Materials Guide for First Responders** United States Fire Administration,1998

*Hazardous Materials Response Handbook* Jerry W. Laughlin,David G. Trebisacci,2002 The supplements to this handbook contains information on lessons learned from terrorist attacks operating safely in hazardous environments fire fighter fatalities propane tank explosions justifying a haz mat team selection of chemical protective ensembles using NFPA guidelines for decontamination of fire fighters and their equipment following a haz mat incident and EMS sector standard operating procedures      **Hazardous Substances Resource Guide** Richard P. Pohanish,Stanley A. Greene,1993

**Highway Maintenance Procedures Dealing with Hazardous Material Incidents** Eugene Russell,1994 This synthesis will be of interest to maintenance managers maintenance engineers health and safety officials those responsible for environmental protection police and others concerned with responding to hazardous materials incidents on public highways Information is presented on the educational training and equipment needs of maintenance personnel as well as on the procedures for response containment and cleanup of hazardous materials This report of the Transportation Research Board discusses the procedures that are required by federal or state regulations and identifies the various response systems and responsibilities in effect in the states It describes cautions and caveats that are generally recommended with regard to the training and involvement of highway maintenance forces Awareness training is noted as the primary and necessary requirement for maintenance personnel Recommendations for improvements to educational procedures are also included

**Freeway Incident Management Handbook** Robert A. Reiss,1991 This handbook was designed to assist responsible agencies in managing roadway incidents It contains 1 a general discussion of the roadway incident problem and solutions 2 how to get an incident management program started 3 details of incident management techniques and 4 administrative aspects including financing promotion and evaluation      **Hazardous Waste Survival Guide** ,1994      Hazardous Materials

181 J.J. Keller & Associates,1991      Hazardous Materials Response Handbook L. Charles Smeby,1997      **Pocket Guide to Chemical and Environmental Safety in Schools and Colleges: Safe chemical disposal** ,1990      **A Freeway Management Handbook: Operations and maintenance** ,1984 This handbook has been designed to provide potential users with a set of guidelines for the planning design operation and maintenance of the various components of freeway management systems      **Guide to U.S. Government Publications** Thomson Gale,2005-08      **Traffic Management** ,1993-07

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