

**OFFICIAL MEXICAN STANDARD NOM-052-ECOL-1993, WHICH
ESTABLISHES THE CHARACTERISTICS OF HAZARDOUS WASTES, THE
LIST THEREOF, AND THE LIMITS THAT MAKE A WASTE HAZARDOUS
DUE TO ITS TOXICITY TO THE ENVIRONMENT¹.**

Translation by MexRegs from *The Official Journal of the Federation*, October 22, 1993²

In the margin, a seal bearing the National Coat of Arms, which says United Mexican States - Secretariat of Social Development.

I, SERGIO REYES LUJAN, President of the National Institute of Ecology, on the basis of Article 32 paragraph XXV of the Organic Law of the Federal Public Administration; Articles 5 paragraphs VIII and XIX, 8 paragraphs II and VIII, 36, 37, 43, 150, 160, and 171 of the General Law on Ecological Equilibrium and Environmental Protection; Articles 4 paragraph I, 5 and 6 of the Regulation of the General Law on Ecological Equilibrium and Environmental Protection on the Subject of Hazardous Wastes; 38 paragraph II, 40 paragraphs X and XVII, 41, 43, 46, 47, 52, 62, 63, and 64 of the Federal Law of Weights and Measures and Standardization; First and Second of the Agreement through which the authority to issue official Mexican standards on housing and ecology is delegated to the Undersecretary of Housing and Real Estate and the President of the National Institute of Ecology, respectively, and

CONSIDERING

Whereas, hazardous wastes in any physical state, due to their corrosive, reactive, explosive, toxic, inflammable, poisonous, and biological infections characteristics, pose a danger to ecological equilibrium, thus making it necessary to define those wastes, identifying and classifying them by industrial enterprise and by process, those generated by nonspecific sources, as well as the limits that make a waste dangerous due to its toxicity to the environment;

Whereas, the President of the National Consultative Committee of Standardization for Environmental Protection, following compliance with the procedure established in the Federal Law of Weights and Measures and Standardization for the preparation of bills of official Mexican standards, ordered the publication of the bill of official Mexican standard **NOM-PA-CRP-001/93** establishing the characteristics of hazardous wastes and the listing thereof, which was published in the *Official Journal* of the Federation on July 2, 1993, for the purpose of having interested parties submit their comments to the above mentioned Consultative Committee;

¹ The nomenclature for this official Mexican standard is presented in terms of the Accord which Reforms the Nomenclature of 58 Official Mexican Standards in matters of Environmental Protection, published in the Official Journal of the Federation on November 29, 1994.

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Whereas, the National Committee of Standardization decided, in its session of July 1, 1993, to substitute code **NOM-PA-CRP-001/93**, under which the bill of the present official Mexican standard was published, with code **NOM-CRP-001-ECOL/1993**, which subsequently shall identify it;

Whereas, during ninety calendar days from the date of publication of said bill of official Mexican standard, the analyses referred to in Article 45 of the above mentioned juridical regulation were available for public consultation;

Whereas, within the same time period the interested parties submitted their comments to the bill of the standard, which were analyzed by the above mentioned National Consultative Committee of Standardization, and those modifications that were in order were made. The Secretariat of Social Development, acting through the National Institute of Ecology, published the responses to the comments received in the Ecological Gazette, Volume V, special issue of October 1993;

Whereas, upon the approval of the National Consultative Committee of Standardization for Environmental Protection, at its session held on October 5, 1993, have seen fit to issue the following

OFFICIAL MEXICAN STANDARD NOM-CRP-001-ECOL/1993, ESTABLISHING THE CHARACTERISTICS OF HAZARDOUS WASTES, THE LISTING THEREOF, AND THE LIMITS THAT MAKE A WASTE HAZARDOUS DUE TO ITS TOXICITY TO THE ENVIRONMENT.

PREFACE

This official Mexican standard was prepared with the participation of:

- **SECRETARIAT OF SOCIAL DEVELOPMENT**
National Institute of Ecology
Attorney General for the Protection of the Environment
- **SECRETARIAT OF THE INTERIOR**
- **SECRETARIAT OF ENERGY, MINING, AND SEMI-OFFICIAL INDUSTRY**
- **SECRETARIAT OF TRADE AND INDUSTRIAL DEVELOPMENT**
- **SECRETARIAT OF AGRICULTURE AND HYDRAULIC RESOURCES**
- **SECRETARIAT OF COMMUNICATIONS AND TRANSPORTATION**
- **SECRETARIAT OF HEALTH**
Head Office of Environmental Health
- **DEPARTMENT OF THE FEDERAL DISTRICT**
- **THE GOVERNMENT OF THE STATE OF MEXICO**
Secretary of Ecology
- **FEDERAL COMMISSION OF ELECTRICITY**
- **PETROLEOS MEXICANOS**

Office of Industrial Safety, Environmental Protection, and Energy
Conservation Audits

Manager of Environmental Protection and Energy Conservation

Pemex-Gas and Basic Petrochemistry

Manager of Industrial Safety and Environmental Protection

- **ALTOS HORNOS DE MEXICO, S.A. DE C.V.**
- **NATIONAL ASSOCIATION OF PAINT AND DYE MANUFACTURERS**
- **NATIONAL ASSOCIATION OF THE AUTOMOTIVE INDUSTRY**
- **NATIONAL ASSOCIATION OF THE CHEMICAL INDUSTRY**
- **BECTON DICKINSON DE MEXICO, S.A. DE C.V.**
- **BUFETE QUIMICO, S.A. DE C.V.**
- **CHAMBER OF THE TRANSFORMATION INDUSTRY OF MONTERREY**
- **CHAMBER OF MINING OF MEXICO**
- **NATIONAL CHAMBER OF THE CELLULOSE AND PAPER INDUSTRY**
- **NATIONAL CHAMBER OF THE TRANSFORMATION INDUSTRY**
- **NATIONAL CHAMBER OF THE IRON AND STEEL INDUSTRY**
- **NATIONAL CHAMBER OF THE PHARMACEUTICAL INDUSTRY**
- **NATIONAL CHAMBER OF THE RUBBER INDUSTRY**
- **CELANESE MEXICANA, S.A. DE C.V.**
- **CEMENTOS APASCO, S.A. DE C.V.**
- **CHEMICAL WASTE MANAGEMENT DE MEXICO, S.A. DE C.V.**
- **NATIONAL COLLEGE OF CHEMICAL ENGINEERS**
- **COMERCIAL MEXICANA DE PINTURAS**
- **COMPANIA HULERA TORNEL, S.A. DE C.V.**
- **NATIONAL CONFEDERATION OF INDUSTRIAL CHAMBERS**
- **DISTRIBUIDORA KROMA, S.A. DE C.V.**
- **DUPONT, S.A. DE C.V.**
- **GENERAL MOTORS DE MEXICO, S.A. DE C.V.**
- **GRUPO PRyC ASESORIA INDUSTRIAL, S.C.**
- **INGENIERIA PARA EL CONTROL DE RESIDUOS MUNICIPALES
E INDUSTRIALES, S.A. DE C.V.**
- **ENVIRONMENTAL PROTECTION INSTITUTE**
- **MEXICAN INSTITUTE OF FIBER INDUSTRIES**
- **MEXICAN PETROLEUM INSTITUTE**
- **NATIONAL POLYTECHNIC INSTITUTE**
- **MAPLE CONSTRUCCIONES Y CONSULTORIAS, S.A. DE C.V.**
- **MATERIALES INOXIDABLES, S.A.**
- **METALOIDES, S.A. DE C.V.**
- **MEXALIT INDUSTRIAL, S.A. DE C.V.**
- **PROCTER & GAMBLE DE MEXICO, S.A. DE C.V.**
- **PRODUCTOS TEXACO, S.A. DE C.V.**
- **RESIDUOS INDUSTRIALES MULTQUIM, S.A. DE C.V.**
- **SERVICIO DE INGENIERIA Y CONTROL AMBIENTAL, S.A.**
- **TF VICTOR**

- **UNIROYAL, S.A. DE C.V.**
- **MEXICAN AUTONOMOUS UNIVERSITY (UNAM)**
- **METROPOLITAN AUTONOMOUS UNIVERSITY**

1. OBJECTIVE

This official Mexican standard establishes the characteristics of hazardous wastes, the listing thereof, and the limits that make a waste hazardous due to its toxicity to the environment.

2. AREA OF APPLICATION

This official Mexican standard is of compulsory compliance for defining and classifying hazardous wastes.

3. REFERENCES

NOM-CRP-002-ECOL Establishes the procedures for performing the extraction test to determine the constituents that make a waste hazardous due to its toxicity to the environment.

4. DEFINITIONS

4.1 Cretib

The classification code of the characteristics exhibited by hazardous wastes, meaning: corrosivity, reactivity, explosivity, toxicity, inflammability, and biological infectivity.

4.2 Nonspecific source

Activities that generate hazardous wastes and that may be applied to different enterprises or processes.

4.3 Process

The set of physical or chemical activities related to the production, obtaining, preparation, packing, handling, and packaging of intermediate or end products.

4.4 Aqueous solution

Mixture in which water is the primary component, constituting at least 50% of the sample, by weight.