

**[ DENR ADMINISTRATIVE ORDER NO. 2013 - 24,  
December 23, 2013 ]**

**CHEMICAL CONTROL ORDER (CCO) FOR LEAD AND LEAD COMPOUNDS**

Pursuant to Republic Act 6969 otherwise known as the Toxic Substances and Hazardous and Nuclear Wastes Act of 1990, DENR Administrative Order (DAO) No. 29, s. 1992 (Implementing Rules and Regulations of Republic Act 6969) and DAO 05, Series of 2005 (Toxic Chemical Substances for Issuance of Chemical Control Orders), the following pertinent rules and regulations with procedural requirements for the Chemical Control Order (CCO) for Lead and Lead Compounds are hereby promulgated.

**Section 1. Policy and Objectives.** It is the policy of the State to regulate, restrict or prohibit the importation, manufacture, processing, sale, distribution, use and disposal of chemical substances and mixtures that present unreasonable risk and/or injury to health or the environment; to prohibit the entry, even in transit, of hazardous and nuclear wastes and their disposal into the Philippine territorial limits for whatever purpose; and to provide advancement and facilitate research and studies on toxic chemicals. Pursuant to this policy statement, this Order aims to do the following:

- 1.1 Increase awareness about the toxicity of lead and lead compounds and the availability of technically superior and safer alternatives;
- 1.2 Develop the framework for proper implementation of appropriate prevention based programs to reduce and eliminate risks from the use of lead;
- 1.3 Provide guidelines and assistance to identify and release potential lead exposure industrial facilities to reduce workers' lead exposure; and
- 1.4 Enforce the provisions within the specified limits provided under this Order

**Sec. 2. Definition of Terms.** As used in this Order, the following terms are hereby defined:

- 2.1 Applicant - persons or entities engaged in importation, manufacturing, using, distributing, recycling and providing service (Treatment, Storage and Disposal) on lead and lead compounds.
- 2.2 Chemical Control Order (CCO) - a policy issuance that prohibits, limits or regulates the use, manufacture, import, export, transport, process, storage, possession and wholesale of those priority chemicals that DENR determined to be regulated, phased-out or banned due to the serious risks they pose to public health, workplace and the environment.
- 2.3 Disposal - treatment, temporary storage and systematic destruction of lead and lead compounds' wastes in accordance with the applicable

provisions of the Implementing Rules and Regulations of Hazardous Wastes Management (IRR-HWM)

- 2.4 Equipment - used for disposal purposes shall include, but not limited to tools, devices, furnishings, apparatus, and materials such as hoods, enclosures, ducts, dust suppressants, among others with lead contamination.
- 2.5 Importer - any juridical person or corporation that undertakes the entry of a product or substance into the country.
- 2.6 Industrial User - any entity or corporation that uses and processes lead and/or lead compounds for industrial purposes only.
- 2.7 Lead - a heavy, bluish-gray metal in granules, shot, foil, sheet or powder (physical appearance) that is naturally occurring in the earth's crust which is very soft, highly malleable, ductile and a relatively poor conductor of electricity. As lead is obtained mainly from the mineral galena (PbS), the common lead ores are anglesite (PbSO<sub>4</sub>) and cerussite (PbCO<sub>3</sub>).
- 2.8 Lead Compounds - are chemical compounds that contain lead (Chemical Abstract Service Registry No. 7439-92-1).
- 2.9 Lead Paints - paints or other similar surface coating materials containing lead or lead compounds (calculated as lead metal) in excess of .009 percent (90 ppm) of the weight of the total non-volatile content of the weight of the dried paints film.
- 2.10 Lead Wastes - discarded materials that contain or have been contaminated with lead or lead compounds that are without any safe commercial, industrial, agricultural or economical usage and contain the updated standard of Hazardous Wastes based on the analysis of the extract under the Toxicity Characteristic Leaching Procedure (TCLP) method.
- 2.11 Manufacturer - any juridical person or corporation that undertakes the physical or chemical transformation of substances into new products performed either by power-driven machines or by hand and markets it under his name or trademark.
- 2.12 Pigment - a material that changes the color of reflected or transmitted light as the result of wavelength-selective absorption used for coloring paints, ink, plastic, fabric, cosmetic, food and other materials.
- 2.13 Premises - shall include, but not limited to, buildings or parts of buildings, tents, stalls or other facility structures whether permanent or temporary.
- 2.14 Preparations - mixtures or solutions (in the form of liquid, semi-solid and solid materials), in this case, containing lead which will be used in any industrial application/processes.
- 2.15 Recyclers - any person or corporation that engages in reusing and reprocessing activities of any materials intended for commercial, industrial, agricultural and economic purposes.
- 2.16 Recycling - treating of used or waste materials through a process of making them suitable for beneficial use and for other purposes, and includes any process by which waste materials are transformed into new products in such a manner that the original products may lose their identity, and which may use as raw materials for the production of other goods or services.
- 2.17 Storage - containing area for supply or stock reserve kept for future use, safekeeping or disposal.

2.18 Unreasonable risk - any undesirable effects or adverse responses arising from a given exposure to a substance.

**Sec. 3. Coverage.** This Order shall cover the following:

- 3.1 Importers
- 3.2 Distributors
- 3.3 Manufacturers
- 3.4 Industrial users
- 3.5 Recyclers
- 3.6 Waste service providers (Transporters, Treaters and Disposers)

**Sec. 4. Prohibited Use.** The use of lead and lead compounds shall be strictly prohibited in the following production/manufacturing of:

- 4.1 Packaging for food and drink
- 4.2 Fuel additives
- 4.3 Water Pipes
- 4.4 Toys
- 4.5 School supplies
- 4.6 Cosmetics
- 4.7 Paints (as a pigment, a drying agent or for some intentional use) with more than 90ppm threshold limit beyond three (3) years (2013-2016) for architectural, decorative, household applications and six (6) years (2013- 2019) for industrial applications.

**Sec. 5. General Requirements and Procedures**

5.1 Registration and Permitting

The following applicant shall register with the Environmental Management Bureau (EMB) by submitting a duly accomplished Registration Form (Annex A) after the effective date of this Order.

- 5.1.1 Any person or entity with existing Priority Chemical List (PCL) Compliance Certificate involved in the importation, manufacture, distribution and use of any lead and lead compounds
- 5.1.2 Any person or entity involved in the recycling, treatment, storage and disposal of lead containing wastes must register and comply all of applicable provisions of the Implementing Rules and Regulations of Hazardous Waste Management (IRR-HWM)
- 5.1.3 Any person or entity that are newly involved in the importation, manufacture, distribution and use of any lead and lead compounds and engaged in recycling in treatment, storage and disposal of leadcontaining wastes

5.2 Lead and Lead Compounds Management Plan

The applicant shall provide the company's information contained in the Safety Data Sheet (SDS) to ensure that lead and lead compounds are managed in a manner that will eliminate or minimize its release to the environment (Annex B).