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DENR Administrative Order
No. 2021 - 09

SUBJECT: CHEMICAL CONTROL ORDER (CCO) FOR CHROMIUM(VI) COMPOUNDS

Pursuant to the provisions of the Republic Act 6969 otherwise known as the “Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990”, DENR Administrative Order (DAO) No. 29, Series of 1992 otherwise known as the “Implementing Rules and Regulations of Republic Act 6969”, DAO 2005-05, entitled “Toxic Chemical Substances for Issuance of Chemical Control Orders”, and Republic Act No. 8749 also known as the “Philippine Clean Air Act of 1999” which mandates the conversion of the Environmental Management Bureau (EMB) from a staff bureau to a line bureau, the following pertinent rules and regulations with procedural requirements for Chemical Control Order (CCO) for chromium(VI) compounds, and its wastes are hereby promulgated.

SECTION 1. Policy and Objectives

It is the Policy of the State to regulate, restrict or prohibit the importation, manufacture, handling, processing, storage, sale, distribution, use and disposal of chemical substances and mixtures that present unreasonable risk and/or injury to human health and 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. Pursuant to this policy statement, this Order aims to undertake the following:

- 1.1 Reduce the risk of exposure to human health and the environment of chromium(VI) compounds used in industrial processes.
- 1.2 Increase awareness on the toxicity of chromium(VI) compounds and the availability of technically superior and safe alternatives;
- 1.3 Ensure the proper implementation of the existing framework and appropriate prevention-based programs to mitigate, reduce and eliminate risks from the use of chromium(VI) compounds; and
- 1.4 Provide guidelines to identify potential chromium(VI) compounds release/exposure in industrial facilities.

SECTION 2. Definition of Terms

As used in this Order, the following terms are hereby defined:

- 2.1. Applicant – person(s) or entities engaged in importation, manufacture, use, distribution, transport, recycling and providing service (Treatment, Storage and Disposal) on chromium(VI) compounds.
- 2.2. Bureau – the Environmental Management Bureau of the Department of Environment and Natural Resources.
- 2.3. Chemical Control Order (CCO) – a policy issuance that prohibits, limits or regulates the use, manufacture, import, export, transport, process, storage, possession and wholesale of 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.
- 2.4. Chemical Substance - any organic or inorganic substance of a particular molecular identity excluding radioactive materials and includes – any element or uncombined chemical, and any combination of such substances, or any mixture of two or more chemical substances.
- 2.5. Chromium - a steel-gray solid with a high melting point and an atomic weight of 51.996 g/mol. Chromium has oxidation states ranging from chromium(4-) to chromium(6+).
- 2.6. Chromium(VI) or Hexavalent Chromium- is the second most stable state. Hexavalent chromium rarely occurs naturally; it is usually produced from industrial activity.
- 2.7. Chromium(VI) Compounds – Chemical compounds that contain chromium(VI).
- 2.8. Chromium(VI) Wastes – discarded materials that contain or have been contaminated with chromium(VI) compounds that are without any safe commercial, industrial, agricultural or economical usage and included in the updated standard of Hazardous Wastes in accordance to DENR Administrative Order 2013-22
- 2.9. Department – the Department of Environment and Natural Resources
- 2.10. Distributor - any entity or corporation that is engaged in the distribution of chromium(VI) compounds.
- 2.11. Importer – any juridical person or corporation that undertakes the entry of a chemical or chemical substances into the country.
- 2.12. Industrial User – any entity or corporation that uses and processes chromium(VI) compounds for industrial purposes only; including use of chromium(VI) compounds by laboratories of the industries.

- 2.13. 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.
- 2.14. Treatment, Storage and Disposal (TSD) Facilities- are the facilities where hazardous wastes are transported, stored, treated, recycled, reprocessed or disposed of.
- 2.15. Premises - shall include, but not limited to, buildings or parts of buildings, tents, stalls or other facility structures whether permanent or temporary.
- 2.16. Process - the preparation of chemical substance or mixture after its manufacture (industrial operations) for commercial distribution.
- 2.17. Storage – containment area for supply or stock reserve kept for future use, safekeeping or disposal.
- 2.18. Transporter - a person or entity registered to legally transport chromium (VI) compounds as described in the scope of this Order.
- 2.19. Unreasonable Risk – expected high frequency of undesirable effects or adverse responses arising from a given exposure to a substance.
- 2.20. Waste Generator - any person who generates or produces hazardous wastes, through any institutional, commercial, industrial, or trade activities.

SECTION 3. Coverage. This Order shall cover the following:

- 3.1 Importers
- 3.2 Distributors
- 3.3 Manufacturers, processors and industrial users
- 3.4 Transporters
- 3.5 Treatment, Storage and Disposal (TSD) Facilities
- 3.6 Laboratory Facilities

SECTION 4. Regulated Use

The use of chromium(VI) compounds shall be strictly regulated in the activities relating, but not limited to the following:

Manufacture/production of:

- Pigments
- Inks
- Textile Dyes
- Electronic Equipment/Electroplating
- Protective Coatings and Paints
- Stainless Steel

Activities relating to the operation of:

- Laboratory Facilities
- Tannery

SECTION 5. General Requirements and Procedures

In addition to the general requirements under Title II of DAO 29, s. 1992, the following requirements and procedures have been established for any person or entity importing and manufacturing, distributing and allowed users of Chromium VI and Chromium VI compounds and those treating, handling, transporting, storing and disposing of Chromium VI-bearing:

5.1 Registration and Permitting

All applicants shall register online through the Online Permitting and Monitoring System (OPMS) of the Bureau by submitting a duly accomplished Registration Form (Annex A) and other documentary requirements.

- 5.1.1 Any person or entity that is a new applicant and/or newly involved in the importation, manufacture distribution and industrial use of any chromium(VI) compounds
- 5.1.2 Any person or entity with existing Priority Chemical List (PCL) Compliance Certificate, with Priority Chemical List (PCL) exemptions issued under EMB Memorandum Circular 2014-003¹ or users of chromium(VI) compounds whose Priority Chemical List (PCL) fall under EMB Memorandum Circular 2017-007² for chromium(VI) compounds. The proponent should apply for a Chemical Control Order (CCO) Registration.
- 5.1.3 Any person or entity involved in the transport, recycling, treatment, storage and disposal of chromium(VI) compound containing wastes must register and comply all applicable provisions of the RA 6969 Rules and Regulations on Hazardous Waste Management;

5.2 Importation Requirements

Any person or entity that imports chromium(VI) compounds shall apply for an importation clearance (**Annex B**) online through the Online Permitting and Monitoring System (OPMS) of the Bureau. The validity of the importation clearance shall be for a period of six months. Importation clearances shall be issued per trade name of products.

¹ Supplemental Guidelines for the DENR AO 2007-23 (Prescribing Additional Requirements for the Issuance of the Priority Chemical List (PCL) Compliance Certificate)

² Clarification on the Coverage of Laboratory Facilities under DAO 2007-23 (Prescribing Additional Requirements for the Issuance of the Priority Chemical List (PCL) Compliance Certificate)

5.3 Required Documents

The application for registration and importation clearance, including importation clearance renewal, must be accompanied by the following documents:

- a. Photocopy of the Environmental permits such as the following:
 - Hazardous Waste Generator's ID
 - Valid Discharge Permit
 - Valid Permit to Operate
 - Environmental Compliance Certificate
- b. Photocopy of Registration with the Securities and Exchange Commission (SEC) or Department of Trade and Industry (DTI), with an updated list of its officers
- c. Photocopy of Business Permit
- d. Photocopy of Safety Data Sheet (SDS) from the manufacturing firm
- e. Chromium(VI) compounds Management Plan (**Annex C**)
- f. Emergency and Contingency Plan
- g. Photo of Storage facility
- h. Notarized Certificate of Liabilities to compensate damages
- i. Copy of PCO Accreditation Certificate
- j. Latest Self-Monitoring Report

5.4 Chromium(VI) Compounds Management Plan

The applicant shall submit the Chemical Management Plan, following the prescribed outline in Annex C and the chemical's Safety Data Sheet to ensure that chromium(VI) compounds are managed in a manner that will eliminate or minimize its risk to human health and the environment.

Furthermore, distributors of chromium(VI) compounds are required to have a record of users of their materials.

5.5 Labeling Requirements

- 5.5.1 Labeling requirements conforming to the provisions of Globally Harmonized System (GHS) as promulgated by the Bureau under DAO No. 2015-009³ and EMB Memorandum Circular No. 2015-011⁴;
- 5.5.2 Storage cabinets, housing specimens and objects suspected of, or known to be contaminated with chromium(VI) compounds shall be labelled with a warning sign that indicates "Chromium(VI) compound" and stating that it is carcinogenic; and
- 5.5.3 Waste labeling shall be in accordance with current procedural manual on hazardous waste management. Chromium(VI) compounds wastes should

³ Rules and Procedures for the Implementation of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) in Preparation of Safety Data Sheet (SDS) and Labeling Requirements of Toxic Chemical Substances

⁴ Guidance Manual for DAO 2015-09

be stored in secured places, with provisions for appropriate emergency response in case of accidents.

5.6 Emergency and Contingency Plan

The applicant shall provide the company's emergency plan in cases of accidents and foreseeable incidents involving chromium(VI) compounds but not limited to spills, fire, exposure and natural calamities. The Emergency and Contingency Plan shall be in accordance to Section 8.2 of DAO 2013-22⁵ and in relation with Section 8 of the Safety Data Sheet (Exposure controls/Personal Protection).

5.7 Manufacturing Requirements

The Applicant shall comply with the following:

- 5.7.1 Management Operation Flow Chart and process description where chromium(VI) compounds are used. All necessary measures and procedures by means of engineering controls, work practices and hygiene facilities and practices to reduce the dispersion of chromium(VI) compounds into the environment and to minimize employee exposure to chromium(VI) compounds;
- 5.7.2 Provision of appropriate Personal Protective Equipment (PPE) to workers. Proper PPEs shall be used when handling chromium (VI) compounds. Some examples of protective clothing and equipment that may be necessary include, but are not limited to, gloves, aprons, coveralls, foot coverings and goggles. If required, wear a fit-tested respirator equipped with high efficiency particulate air (HEPA) filters (refer also to the Safety Data Sheet of the chemical);
- 5.7.3 Establish a regulated area wherever an employee's exposure to airborne concentrations of chromium (VI) compound is **high, and shall ensure that said areas** are demarcated from the rest of the workplace in a manner that adequately establishes and alerts employees of the boundaries of the **said** regulated area;
- 5.7.4 Appropriate environmental permits such as Environmental Compliance Certificate (ECC)⁶, DENR Hazardous Waste Generator ID⁷, Discharge Permit⁸, Permit to Operate⁹ and other applicable environmental permits/clearances.

⁵ Revised Procedures and Standards for Hazardous Waste Management

⁶ Presidential Decree No. 1586 (Establishing an Environmental Impact Statement System Including other Environmental Management Related Measures and for Other Purposes)

⁷ Title III of RA 6969

⁸ Republic Act 9275 or the Philippine Clean Water Act of 2004

⁹ Republic Act 8749 or the Philippine Clean Air Act of 1999

- 5.7.5 Regular self- monitoring of each potential source of emissions (air quality) and discharges (water quality) following the standards for Chromium(VI) in the Philippine Clean Air Act (RA 8749) and DAO 2016-08¹⁰;

5.8 Training Requirements

- 5.8.1 Regular basic awareness, knowledge and training of employees and industrial users shall be conducted for appropriate work practices to minimize the risk of exposure to chromium(VI) compounds during production or on the risk potentials involved in the storage, handling, use, manufacture, transport and/or disposal of generated wastes of chromium(VI) compounds. Any of the following evidence shall be submitted.

5.8.1.1 Copies of Training Certifications or Training Modules chromium(VI) compounds.

5.8.1.2 PCO Accreditation Certificate

5.9 Handling and Storage Requirements

- 5.9.1 Proper Inventory, Stacking/Stockpiling and security practices;
- 5.9.2 Available and accessible Safety Data Sheet (SDS) at all times.
- 5.9.3 Adequate storage facility with proper labeling, signage, compatibility with other chemicals and safety equipment;
- 5.9.4 Maintenance of storage records and packaging

5.10 Transport, Treatment, , Storage and Disposal (TSD) Requirements

All hazardous waste generators, transporters and TSD Facilities must comply with the procedural manual on hazardous waste management.

5.11 Substitution and Phase-out Plan

The Department through the Bureau may develop a phase-out plan for uses of chromium(VI) compounds. Such phase-out plan will be for consultation to related stakeholders and agencies.

SECTION 6. Compliance with Priority Chemical List (PCL)

In accordance with 4.6 of EMB Memorandum Circular 2017-009 for a compound regulated both under Priority Chemical List (PCL) and CCO, the applicant shall apply for CCO registration. Further, only applicants of chromium(VI) compounds shall comply with the CCO requirements. Other chromium and chromium compounds shall be covered by PCL requirements.

¹⁰ DAO 2016-08 (Water Quality Guidelines and General Effluent Standards of 2016)

SECTION 7. Information, Education, Communication (IEC)

The Department, through the Bureau, in collaboration with the industry, concerned government agencies, the academe and the non-government organizations, shall promote industrial compliance and public awareness of this Order's requirements and on the hazards posed by the use and release of chromium(VI) compounds in the workplace and into the environment.

The proper handling and disposal of Chromium (VI) compounds shall be included in the information dissemination in order to highlight such safety protocol. The use of chromium(VI) compound-free products shall also be promoted to minimize release of chromium(VI) compound to the environment.

SECTION 8. Public Access to Records and Confidential Business Information (CBI).

The public shall have access to records, reports or information obtained by the DENR upon request pursuant to this Order, in accordance with Section 12 of RA 6969 except information regarding trade secrets (formulations), sales figures, methods of production or industrial processes, distributions that would adversely affect the competitive position of such importers, manufacturers and industrial users.

Exemptions to this "no disclosure of information" shall be made subject to the conditions of Section 40 of the IRR of RA 6969 or other applicable laws and regulations.

SECTION 9. Compliance Monitoring Procedure.

The EMB Central Office and/or Regional Offices shall monitor compliance based on duly accomplished and submitted Self-Monitoring Report (SMR) per DAO No. 2003-27¹¹ or its revision or amendment. The EMB-CO shall integrate the regional monitoring report for management action.

SECTION 10. Revision of Requirements

The Department may amend, modify, and/or supplement the requirements and standards in this Order after prior consultation with the stakeholders and after due notice and hearing with the public on matters to be revised. The Bureau may issue clarificatory guidelines, if necessary.

SECTION 11. Capacity Building

The EMB Central Office shall develop and conduct continuing training program for both regulated community and regulators to ensure proper compliance of this Order.

¹¹ Amending DAO 26, DAO 29 and AO 2000-81

SECTION 12. Liability

The Secretary or his duly authorized representative may cause the impoundment or confiscation of any chemical substance and its conveyance and container if there is reasonable ground to believe that the sale, storage, possession, use, manufacture, transport, import for the chemical substance does not comply with this CCO following the guidelines under EMC 2020-12¹². Any importer or distributor selling to non-authorized persons or end-users shall be held liable under RA 6969.

Chemicals may be confiscated, and storage fees of confiscated chemicals shall be charged jointly and solidarily to the importer and/or distributor and end-user. The importer and distributor shall likewise be held liable together with the end-user in cases of injury or damage to public health and the environment and shall properly compensate the affected parties and restore damage area or areas resulting from any incident or accident involving the use, sale, manufacture and distribution of chromium(VI) compound contaminated wastes.

SECTION 13. Penalty Provision

Any violation of the requirements specified in this Order shall subject the person(s) liable thereof to the applicable administrative and criminal sanctions as provided for under Section 14 of Republic Act 6969, Sections 41 and 43 of DAO 29, s. 1992 and DENR Memorandum Circular No. 2005-003¹³.

SECTION 14. Separability Clause

Should any provision or portion of this Order be declared unconstitutional or invalid, all the other provisions of this Order shall remain valid and enforceable.

SECTION 15. Repealing Clause

All other existing orders and related issuances inconsistent with this Order shall be repealed and modified accordingly.

SECTION 16. Effectivity

This Order shall take effect fifteen (15) days after its publication in a newspaper of general circulation and upon acknowledgment of receipt of a copy hereof by the Office of the National Administrative Register (ONAR), UP Law Center.




ROY A. CIMATU
Secretary

¹² Rules on the Confiscation of Illegal Chemicals, Chemical Substances and Apprehension of Hazardous Waste under RA6969

¹³ Prescribing Graduated Administrative Fines Pursuant to Republic Act No. 6969 and DENR Administrative Order 29, Series of 1992



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CHROMIUM (VI) COMPOUNDS
REGISTRATION FORM

I. GENERAL INFORMATION

1. COMPANY NAME: _____
2. OFFICE ADDRESS: _____
 STORAGE FACILITY ADDRESS: _____
3. CONTACT PERSON: _____ DESIGNATION: _____
 TELEPHONE NO: _____ FAX NO: _____ EMAIL ADDRESS: _____

4. CATEGORY OF APPLICANT / TYPE OF BUSINESS (CHECK ALL APPLICABLE)

- IMPORTER
 DISTRIBUTOR
 END-USER
 MANUFACTURER
 RECYCLER
 WASTE SERVICE PROVIDER (TRANSPORTER, TREATER, DISPOSER)

5. STATUS OF COMPLIANCE TO ENVIRONMENTAL AND OTHER PERMITS

ENVIRONMENTAL AND OTHER PERMITS ISSUED	PERMIT NO.	DATE ISSUED	VALIDITY DATE
Environmental Compliance Certificate			
Hazardous Waste Generator's Identification			
Permit to Operate (AIR)			
Discharge Permit (WATER)			
TSD Permit			
SEC Registration			

Business Permit			
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**II. CHROMIUM(VI) COMPOUNDS
SPECIFIC INFORMATION (For all categories, if applicable)**

1. CHROMIUM (VI) COMPOUNDS APPLICATION(S)

TRADE NAME	
CHROMIUM(VI) COMPOUNDS COMPONENT CHEMICAL NAME	
INTENDED USE	
AVERAGE ANNUAL QUANTITY IMPORTED (MT/YR)	
AVERAGE ANNUAL QUANTITY USED (MT/YR)	
QUANTITY OF PRODUCTS PRODUCED (MT/YEAR)	
QUANTITY OF CHROMIUM (VI) TREATED (FOR TSD, IN MT/YEAR)	
QUANTITY OF CHROMIUM (VI) COMPOUNDS WASTE PRODUCED / GENERATED ANNUALLY / QUARTERLY (MT / YEAR)	

* Applicant may add additional tables for multiple products

**2. PROCESS FLOW CHART AND TYPE OF ACTIVITY USING
CHROMIUM(VI) COMPOUNDS (Use additional sheet, if necessary)**

III. MANAGEMENT INFORMATION

1. TOTAL NUMBER OF WORKFORCE _____

2. NUMBER OF EMPLOYEES DIRECTLY HANDLING CHROMIUM (VI) COMPOUNDS THAT MAY BE EXPOSED TO CHROMIUM (VI) COMPOUNDS RELEASES. ASSESS THE NATURE AND EXTENT OF EXPOSURE TO CHROMIUM(VI) COMPOUNDS *(PROVIDE ADDITIONAL SHEET IF NECESSARY)

3. EDUCATION AND TRAINING PROGRAM ORGANIZED FOR CHROMIUM(VI) COMPOUNDS MANAGEMENT (HANDLING, STORAGE, DISPOSAL) OVER THE LAST YEAR (PROVIDE ADDITIONAL SHEET IF NECESSARY)

DETAILS OF THOSE TRAINING PROGRAMS ORGANIZED

TITLE / NAME	ORGANIZER	DATE/DURATION

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IV. PREVENTIVE AND CONTROL MEASURES

1. DESCRIBE THE GENERAL PREVENTIVE AND CONTROL PROGRAM OF THE COMPANY FOR CHROMIUM(VI) COMPOUNDS (PROVIDE ADDITIONAL SHEET IF NECESSARY)

2. DESCRIBE HOUSEKEEPING PRACTICES DEVELOPED AND IMPLEMENTED (PROVIDE ADDITIONAL SHEET IF NECESSARY)

3. IDENTIFY AND DESCRIBE EQUIPMENT(S) USED IN RELATION TO CHROMIUM(VI) COMPOUNDS (PROVIDE ADDITIONAL SHEET IF NECESSARY)

4. LIST OF PERSONAL PROTECTIVE EQUIPMENT (PPE) AVAILABLE FOR PERSONNEL/WORKER DURING HANDLING AT THE PREMISE AND DURING TRANSPORTING

5. DESCRIBE IN BRIEF THE CONTINGENCY PROCEDURES/PLAN (IN CASE OF EMERGENCY)

V. TREATMENT, STORAGE & DISPOSAL INFORMATION (FOR ALL CATEGORIES)

1. DESCRIBE STORAGE METHODS, PROCEDURES, FACILITIES AND LOCATION (PROVIDE ADDITIONAL SHEET IF NECESSARY)

2. LIST OF ATTACHMENTS

- PERTINENT ENVIRONMENTAL PERMITS
- CHROMIUM(VI) COMPOUNDS MANAGEMENT PLAN
- PROCESS FLOW CHART
- LATEST QUARTERLY SELF-MONITORING REPORT
- COPY OF PCO ACCREDITATION CERTIFICATE OR RELEVANT TRAINING CERTIFICATE
- SAFETY DATA SHEETS

NOTARIZED CERTIFICATION

THE UNDERSIGNED CERTIFY THAT THE INFORMATION PROVIDED IN THIS FORM IS TRUE AND ACCURATE.

NAME: _____

DESIGNATION / POSITION: _____

SIGNATURE : _____ DATE: _____

I ACKNOWLEDGE THAT THIS APPLICATION FORM IS A LEGALLY BINDING DOCUMENT, AND I DECLARE, UNDER THE PENALTIES OF PERJURY, THAT THE SAME HAS BEEN ACCOMPLISHED IN GOOD FAITH, VERIFIED BY ME, AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS TRUE AND CORRECT PURSUANT TO THE REGULATIONS ISSUED UNDER AUTHORITY THEREOF.



Republic of the Philippines
 Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
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 Visit us at: www.emb.gov.ph

**APPLICATION FOR THE IMPORTATION OF
 CHROMIUM (VI) COMPOUNDS**

I. **COMPANY NAME:** _____

II. **BUSINESS ADDRESS:** _____

STORAGE FACILITY: _____

III. **CONTACT PERSON:** _____ **CONTACT NUMBER:** _____

POSITION/DESIGNATION: _____ **FAX NUMBER:** _____

IV. **TYPE OF IMPORTER:** (PLEASE MARK X THE APPROPRIATE BOX/BOXES AND FILL-UP THE CORRESPONDING FIELDS)

- IMPORTER- END USER
 IMPORTER- DISTRIBUTOR

V. **ENVIRONMENTAL AND OTHER PERMITS ISSUED:**(PLEASE ATTACH COPY)

CCO FOR CHROMIUM (VI) COMPOUNDS REGISTRATION No.: _____

ECC No. _____ DP No. _____

PO No. _____ DENR ID No. _____

BUSINESS PERMIT No. _____

VI. **LIST OF PROJECTED IMPORTERS/CLIENT(S) (FOR DISTRIBUTORS):**

NAME	ADDRESS & CONTACT No.	VOLUME (TONNES)

*(PROVIDE ADDITIONAL SHEET IF NECESSARY)

VII. **LIST OF IMPORTERS/CLIENT(S) SUPPLIED TO (FOR RENEWAL APPLICATION OF DISTRIBUTORS):**

NAME	ADDRESS & CONTACT No.	VOLUME (TONNES)

*(provide additional sheet if necessary)

VIII. DATA ON SUBSTANCE SUBJECT TO IMPORTATION:

BRAND/TRADE/COMMERCIAL NAME: _____
CHEMICAL NAME OF CHROMIUM (VI) COMPOUND IN SUBSTANCE: _____
% CHROMIUM (VI) (COMPOUND) IN SUBSTANCE: _____ CAS No.: _____
ALLOWED QUANTITY PER YEAR: _____ USED QUANTITY FROM PREV. PERMIT: _____
QUANTITY TO BE APPLIED (IN TONNES): _____
INTENDED USE: _____

IX. SHIPPER'S INFORMATION/TRANSACTION DATA

COUNTRY OF ORIGIN: _____
NAME OF EXPORTING COMPANY: _____
BUSINESS ADDRESS: _____
MODE OF SHIPMENT (BY AIR/SEA) _____ EXPECTED DATE OF ARRIVAL: _____
EXPECTED PORT OF ENTRY/LOADING: _____
PORT ADDRESS: _____

X. PRESENT INVENTORY OF SUBSTANCE SUBJECT FOR IMPORTATION (UNDER APPLICANT'S CUSTODY)

QUANTITY (IN TONNES): _____ SIZE OF STORAGE AREA (IN M²): _____

XI. ATTACHMENTS:

- PRO FORMA INVOICE
- QUARTERLY SELF-MONITORING REPORT
- TRAINING/SEMINAR ATTENDED BY THE CHEMICAL HANDLER
- OTHER DOCUMENTS AS REQUIRED IN THE PREVIOUS PERMIT'S TERMS AND CONDITIONS (FOR RENEWAL APPLICATIONS)

XII. FEES _____ **OR#** _____ **DATE** _____

I ACKNOWLEDGE THAT THIS APPLICATION FORM IS A LEGALLY BINDING DOCUMENT, AND I DECLARE, UNDER THE PENALTIES OF PERJURY, THAT THE SAME HAS BEEN ACCOMPLISHED IN GOOD FAITH, VERIFIED BY ME, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS TRUE AND CORRECT PURSUANT TO THE REGULATIONS ISSUED UNDER AUTHORITY THEREOF.

(AUTHORIZED SIGNATURE OVER PRINTED NAME)

(POSITION)

(DATE SIGNED)

CHROMIUM (VI) COMPOUNDS MANAGEMENT PLAN OUTLINE

THIS OUTLINE SERVES AS A GUIDELINE FOR THE COMPANY'S MANAGEMENT PLAN. THE DETAILS OF THE MANAGEMENT PLAN WILL VARY DEPENDING ON THE TYPE OR PREMISES AND THE TYPE OF ACTIVITY THAT IS BEING CONDUCTED WITH A TIMETABLE FOR COMPLETION OF PARTICULAR ACTIONS.

I. STRUCTURE AND RESPONSIBILITIES / ACCOUNTABILITIES

- a. MANAGEMENT (E.G. CEO, LINE MANAGERS, SUPERVISORS)
- b. SAFETY OFFICERS AND POLLUTION CONTROL OFFICERS
- c. EMERGENCY RESPONSE TEAM
- d. PRODUCTION OPERATORS
- e. DRIVERS

II. PROCESS DESCRIPTION WHERE COMPOUNDS ARE USED

III. TRANSPORT

- a. TRANSPORT PROCEDURE WITHIN THE FACILITY
- b. TRANSPORT PROCEDURE OUTSIDE THE FACILITY
 - (i) LABELING
 - (ii) DOCUMENTS NECESSARY DURING TRANSPORT (E.G. SDS, RELEVANT PERMITS)
 - (iii) SAFETY EQUIPMENT/PPEs ON BOARD (E.G. FIRE EXTINGUISHER, MASK)

IV. STORAGE

- a. STORAGE SPECIFICATION
 - (i) STACKING
 - (ii) STORAGE TEMPERATURE / VENTILATION
 - (iii) SECURITY
 - (iv) STORAGE COMPATIBILITY WITH OTHER CHEMICALS
 - (v) PACKAGING
- b. SAFETY
 - (i) EMERGENCY EQUIPMENT (E.G. FIRE EXTINGUISHERS, EMERGENCY SHOWER, EMERGENCY EYEWASH, VACUUM, ETC.)
 - (ii) SIGNAGE/LABELING.
 - (iii) CONTAINMENT

V. HANDLING

- a. PERSONAL PROTECTIVE EQUIPMENT.
- b. PRODUCTION EQUIPMENT USING LEAD (GENERAL DESCRIPTION).
 - (i) EQUIPMENT MAINTENANCE (E.G. FILTER CLEANING, EXHAUST CHECK)
- c. HANDLING PROCEDURE / PRECAUTIONS
- d. INVENTORY

VI. DISPOSAL

- a. WASTE HANDLING
- b. WASTE STORAGE
- c. WASTE INVENTORY / TRACKING
- d. TRANSPORT
- e. TREATMENT (ON-SITE)
- f. TREATMENT (3RD PARTY)

VII. SUBSTITUTION AND PHASE-OUT PLAN

- a. ALTERNATIVES

VIII. CONTINGENCY PLAN

- a. SPILLS / LEAKS
- b. CONTACT (INHALATION, INGESTION, CONTACT)
- c. REMEDIATION PLAN/CLEAN-UP PLAN IN CASE OF ENVIRONMENTAL CONTAMINATION
TO RESTORE DAMAGED AREAS; THE COMPANY SHALL BE RESPONSIBLE FOR ALL COSTS OF MANAGING CHROMIUM (VI) COMPOUNDS INCLUDING THE USE, STORAGE, HANDLING, DISPOSAL AND CLEAN-UPS.

IX. RECORDS

- a. INVENTORY REPORTS
- b. TRAINING RECORDS OF PERSONNEL
- c. MEDICAL SURVEILLANCE REPORT
- d. RECORD OF TRANSPORT AND TREATMENT
- e. WASTE WATER/GROUND WATER ANALYSIS
- f. ACCIDENT / INCIDENT REPORTS