

THE GOVERNMENT

No. 108/2008/ND-CP

SOCIALIST REPUBLIC OF VIET NAM

Independence - Freedom - Happiness

Hanoi, 7th October 2008

DECREE

DETAIL REGULATIONS AND GUIDELINE OF IMPLEMENTATION OF A NUMBER OF ARTICLES IN THE CHEMICAL LAW

THE GOVERNMENT

Pursuant to the December 25, 2001 Law on Organization of the Government;

Pursuant to the November 21, 2007 Chemical Law;

At the proposal of the Minister of Industry and Trade,

DECREES:

Chapter I

GENERAL PROVISIONS

Article 1.- Scope of regulation

This Decree regulates the details and guides the implementation of a number of articles in the Chemical Law regarding:

1. Conditions on chemical production and trading and the list of chemicals subject to conditional production or trading; the list of chemicals restricted from production or trading; and the list of banned chemicals.
2. The list of chemicals for which chemical incident prevention and response plans are required; safety distances unit of producing or trading in hazardous chemicals.
3. The list of chemicals required declaration.
4. Threshold content of hazardous chemicals at which chemical safety data sheets are required to be compiled.
5. Information on chemicals.
6. The national chemical database and the national chemical list.
7. Responsibilities of ministries, agencies and People's Committees of all levels to manage chemical activities.

Article 2.- Subjects of application

This Decree applies to organizations and individuals engaged in chemical activities; organizations and individuals related to chemical activities in the whole country of the Socialist Republic of Vietnam.

Article 3.- Terminology explanation:

In this Decree, the terms and phrases below are construed as follows:

1. GHS stands for the Globally Harmonized System of Classification and Labeling of Chemicals.

2. National chemical list means a Government-promulgated list of chemicals presently in use in Vietnam.

3. National chemical database means a database of information on chemicals produced and imported into Vietnam, which is stored and updated by the Ministry of Industry and Trade.

4. HACCP stands for the System of Hazard Analysis and Critical Control Points for management of food hygiene and safety in food processing establishments.

Chapter II

LISTS OF CHEMICALS

Article 4.- Lists of chemicals with conditional production or trading, chemicals restricted from production or trading, and banned chemicals

1. Promulgated together with this Decree are lists of chemicals specified in Articles 14,15 and 19 of the Chemical Law, including:

a/ The list of chemicals with conditional production or trading (Appendix I);

b/ The list of chemicals restricted from production or trading (Appendix II);

c/ The list of banned chemicals (Appendix III).

2. According to management requirements in each period, the Ministry of Industry and Trade shall assume the prime responsibility for, and coordinate with relevant ministries in, studying and proposing amendments and supplements to the lists of chemicals specified in Clause 1 of this Article to the Government for decision.

3. Line ministers shall guide the compilation and evaluation of dossiers to be submitted to the Prime Minister for permission for the production, import and use of banned chemicals for special purposes in security, defense, disease and epidemic prevention and control and in other special cases.

Article 5.-The list of hazardous chemicals for which chemical incident prevention and response plans are required

1. Promulgated together with this Decree is a list of hazardous chemicals for which organizations and individuals engaged in chemical activities are required to elaborate chemical incident prevention and response plans as specified in Article 38 of the Chemical Law (Appendix IV).

2. To meet management requirements in each period, the Ministry of Industry and Trade shall assume the prime responsibility for, and coordinate with line ministries in, studying and proposing amendments and supplements to the list of chemicals specified in Clause 1 of this Article to the Government for decision

Article 6.- The list of chemicals subject to compulsory declaration

1. Promulgated together with this Decree is a list of chemicals subject to compulsory declaration (Appendix V).

2. To meet management requirements in each period, the Ministry of Industry and Trade shall assume the prime responsibility for, and coordinate with line ministries in, studying and proposing amendments and supplements to the list of chemicals specified in Clause i of this Article to the Government for decision.

Chapter III

PRODUCTION AND TRADE CONDITIONS OF CHEMICALS WITH RESTRICTED PRODUCTION AND TRADE, AND CHEMICALS AND CONDITIONAL PRODUCTION AND TRADE

Article 7.- Requirement on production or trading of chemicals with conditional production or trading in the industrial sector

1. Directors or technical deputy directors of producing and trade units of chemicals with conditional production or trade in the industrial sector must possess university degrees in a chemical discipline.
2. These establishments must have personnel specializing in chemical safety management, chemical incident response forces and prevention and response equipment and facilities suitable to their sizes and characteristics of chemicals; possess registration certificates for use of hazardous chemicals with peculiar requirements in industries under Decision No. 136/2004/QĐ-BCN dated 19th November 2004, of the Ministry of Industry (now the Ministry of Industry and Trade).
3. These establishments must have sufficient quality control equipment and devices or enter into quality control contracts with capable accredited units to inspect the quality of industrial chemicals and chemical products to ensure they are up to standards accepted by competent industrial management organisations.
4. These establishments shall devise measures to manage and have safety equipment and devices to prevent and fight fire, explosion, chemical leakage and dispersal, and other chemical incidents under the Fire Prevention and Fighting Law, the Chemical Law and other specific technical regulations applicable to each kind of chemical and equipment used in their establishments. They must have equipment and devices to control, collect and dispose of hazardous waste under the law on environmental protection, and apply the environmental management system under ISO 14000 before 31st December 2010.
5. The Ministry of Industry and Trade shall guide the implementation of the regulations of this Article.

Article 8.- Requirements production and trade of chemicals with conditional production and trade in the healthcare sector

1. Directors or technical deputy directors of producing or trade establishments in chemicals with conditional production or trade in the healthcare sector must have professional qualifications and practice certificates suitable with business forms.
2. Material and technical facilities, and human resource of the production establishments have to meet standards of good practice of medicine production and trade following the application route of good practice standards in the Government's Decree No. 79/ 2006/ND-CP dated 9th August 2006, providing details the implementation of a number of articles of the Pharmacy Law.
3. Producing establishments of chemicals with conditional production and trade in the healthcare sector must have sufficient quality control equipment and devices or enter into quality control contracts with capable units to inspect the quality of medical chemicals and chemical products to ensure they are up to pharmaceutical standards and other standards accepted by competent health agencies.
4. These establishments shall devise measures to manage and have safety equipment and devices to prevent and fight fire, explosion, chemical leakage and dispersal, and other

chemical incidents under the Fire Prevention and Fighting Law, the Chemical Law and other specific technical regulations applicable to each kind of chemical and equipment used in their establishments.

5. Trading establishments in chemicals and chemical products with conditional production and trade in the healthcare sector must have sufficient material foundations and manpower as required by the pharmacy law.

6. The Ministry of Health shall guide the implementation of the provisions of this Article.

Article 9.- Requirement of production or trade of chemicals with conditional production or trade in the food sector.

1. Directors or technical deputy directors of producing or trading establishments in chemicals with conditional production or trading in the food industry must possess university degrees in food chemistry, pharmacy or medicine.

1. These establishments must have material and technical foundations and personnel satisfying HACCP standards.

2. These establishments must have sufficient quality control equipment and devices or enter into quality control contracts with capable accredited units to inspect the quality of chemicals and chemical products in the food industry to ensure they are up to standards accepted by a competent health agency for each production batch.

3. These establishments shall devise measures to manage and have safety equipment and devices to prevent and fight fire, explosion, chemical leakage and emission, and other chemical incidents under the Fire Prevention and Fighting Law, the Chemical Law and other specific technical safety regulations applicable to each kind of hazardous chemical and equipment used their establishments.

4. The Ministry of Health shall guide the implementation of the provisions of this Article.

Article 10.- Requirements production or trading of chemicals with conditional production or trading in plant protection chemicals sector

1. Directors or technical deputy directors of chemicals producing establishments (including bottling and packaging) with conditional production or trade in plant protection chemicals sector must possess university degrees in chemistry or agriculture and practice licenses under the Regulation on management of plant protection drugs promulgated together with the Government's Decree No. 58/2002/ND-CP dated 3rd June 2002.

2. Chemicals producing establishments with conditional production or trading in plant protection chemicals sector must have material and technical foundations and personnel meeting the requirements prescribed in Chapter II of the Regulation on management of plant protection drugs promulgated together with the Government's Decree No. 58/2002/ND-CP dated 3rd June 2002.

3. These establishments must have sufficient quality control equipment and devices or enter into quality control contracts with capable accredited units to inspect the quality of chemicals and chemical products in the chemical pesticide industry to ensure they are up to standards accepted by competent agricultural agencies for each production batch.

4. These establishments shall devise measures to manage and have safety equipment and devices to prevent and fight fire, explosion, chemical leakage and emission, and other chemical incidents under the Fire Prevention and Fighting Law, the Chemical Law and other specific technical safety regulations applicable to each kind of hazardous chemical and

equipment used in their establishments. They must have equipment and devices to control, collect and dispose of hazardous waste under the environmental protection law, and apply the environmental management system under ISO 14000 before 31st December 2010.

5. Trading organizations and individuals in chemicals with conditional production and trade in the in plant protection chemicals sector must have practice certificates and material and technical foundations specified in the Government's Decree No. 58/2002/ND-CP dated 3rd June 2002.

6. The Ministry of Agriculture and Rural Development shall guide the implementation of the provisions of this Article.

Article 11.- Requirements on chemicals production or trading with conditional production or trading in the veterinary chemical sector

1. Directors or technical deputy directors of chemicals producing establishments with conditional production and trade in veterinary medicine must possess university degrees in chemistry, agriculture or pharmaceuticals.

2. These establishments must have business registration certificate of veterinary medicines, bio-products and microorganisms and chemicals used in veterinary sector.

3. These establishments must have locations and material and technical foundations for chemical production and preservation up to veterinary hygiene standards under the Government's Decree No. 33/2005/ND-CP dated 5th March 2005 providing detailed regulations for implementing a number of articles of the Veterinary Ordinance.

4. These establishments must have sufficient quality control equipment and devices or enter into quality control contracts with capable accredited units to inspect the quality of chemicals and chemical products for veterinary sector to ensure they are up to standards accepted by competent agricultural sector for each production batch.

5. These establishments shall devise measures to manage and have safety equipment and devices to prevent and fight fire, explosion, chemical leakage and emission, and other chemical incidents under the Fire Prevention and Fighting Law, the Chemical Law and other specific technical safety regulations applicable to each kind of hazardous chemical and equipment used in their establishments.

6. Trading organizations and individuals in chemicals with conditional production and trade in veterinary sector must have material and technical foundations up to veterinary hygiene standards under the Government's Decree No. 33/ 2005/ND-CP dated 15th March 2005, providing detailed regulations for implementing a number of articles of the Veterinary Ordinance.

7. The Ministry of Agriculture and Rural Development shall guide the implementation of the regulations of this Article.

Article 12.- Requirements of chemical production and trade with restricted production and trade

Besides complying with the conditions mentioned above from Article 7 to Article 11 of this Chapter, producing or trading organizations and individuals in chemicals with restricted from production or trading in the correlative sector also have to meet conditions on master planning; limited production conditions; and other conditions on security, national defense and social safety and order specified in the Pharmacy Law, the Drug Prevention and Fighting Law and relevant legal documents.

Chapter IV

SAFETY DISTANCES

Article 13.- Responsibility to establish safety distances

1. Investment projects on the chemicals production and trade in the list mentioned in Appendix IV to this Decree have to establish safety distances from the chemical production and storing facilities and residential areas, public works, historical or cultural relics, scenic places, beauty spots, natural reserves, national parks, biosphere reserves, species-habitat conservation areas, marine conservation areas and domestic water sources.
2. The Ministry of Industry and Trade presides over and coordinate with specialized management ministries and local People's Committees to deal with the existing chemical production establishments with unsatisfied safety distance conditions under this Decree or violated safe distance by obligation to establish safety distance before 31st December 2010.

Article 14.- Identification of safety distance

1. Organizations and individuals with hazardous chemicals producing or storing establishments specified in Appendix IV of this Decree shall identify safety distances to ensure that hazardous elements in places or protected positions according to legal regulations are below quantitative threshold.
 - a/ In case hazardous chemical escape from an incident in form of toxic vapor, gas or to form a toxic vapor, gas, the quantitative threshold is the toxic chemical concentration in the air (miligram/m³) at which a person exposed to that vapor or gas for up to 60 minutes does not suffer from an irrecoverable effect or an injury at level leading to correspond protection actions or equipments.
 - b/ In case a hazardous chemical escape from an incident in form of a flammable or explosive vapor, gas or to form a flammable or explosive vapor, gas and the quantitative threshold is the amount of inflammable substances in air in volume percentage (%) or in mg/l with value under inferior explosive limit;
 - c/ In case explosive wave from a hazardous chemical explosion, the quantitative threshold is the level of air pressure increase of 6,9 kPa caused by the explosive wave spreading.
2. The identification of safety distance must be based on specific hydrologic, meteorological and topographical conditions at the locations of hazardous chemicals-producing or -storing establishments and technological conditions of the hazardous chemical production or storing process.
3. For hazardous chemicals which are both flammable or explosive and toxic, safety distances in case of incident occurrence shall be determined separately to each hazardous property and the maximum determined value will be applicable.
4. For an establishment with many kinds of hazardous chemicals, its safety distance shall be determined separately for each kind of chemical and the maximum safety distance will be applicable.
5. For an establishment with equipments for hazardous chemical production or storage installed in different places, its safety distance shall be determined separately for each kind of equipment. The safety distance applies to the whole equipments set including separate safe distance of each production and storing equipment of hazardous chemicals.

6. The Ministry of Industry and Trade is responsible to construct and issue technical codes on safety distance of production and trade establishments according to Appendix IV of this Decree.

Article 15.- Safety distance modification

Safety distance is adjusted to a suitable value in the following cases:

1. A hazardous chemical -producing or -storing establishment have changes in production and storing technology or volume or have any change leading to the change in the safety distance.
2. Inventory data on hazardous chemical incidents for the last five years show that the estimated safety distance is greatly different from reality.
3. In case the safety distance from the equipments position to the protected positions does not meet requirements of permitted quantified threshold, the production and storing establishment have to apply measures to ensure the safety distance as specified below:
 - a/ Reducing the volume of produced or stored hazardous chemicals;
 - b/ Applying additional measures of covering or using equipments to reduce the leakage of hazardous chemicals;
 - c/ Changing the technology for producing or storing hazardous chemicals in order to reduce the production or storing volume, pressure or temperature of hazardous chemicals.

Chapter V

**THRESHOLD CONCENTRATION OF HAZARDOUS SUBSTANCES IN
MIXTURE REQUIRED CHEMICAL SAFETY DATA SHEETS**

Article 16.- Classification of hazardous chemicals according to the Globally Harmonized System of Classification and Labeling of Chemicals

Hazardous chemicals mentioned in item 4, Article 4 of the Chemical Law are divided into classes of hazardous chemicals and have the following specific properties:

1. Explosive substances:
 - a/ Unstable explosives:
 - b/ Explosives category 1;
 - c/ Explosives category 2;
 - d/ Explosives category 3;
 - e/ Explosives category 4;
 - f/ Explosives category 5;
 - g/ Explosives category 6.
2. Flammable gases:
 - a/ Flammable gases category 1;
 - b/ Flammable gases category 2.
3. Flammable aerosols category:
 - a/ Flammable aerosols category 1;
 - b/ Flammable aerosols category 2.

4. Oxidizing gases: Oxidizing gases category 1.
5. Gases under pressure:
 - a/ Compressed gas;
 - b/ Liquefied gas;
 - c/ Refrigerated liquefied gas;
 - d/ Dissolved gas.
6. Flammable liquids:
 - a/ Flammable liquids category 1;
 - b/ Flammable liquids category 2;
 - c/ Flammable liquids category 3;
 - d/ Flammable liquids category 4.
7. Flammable solids:
 - a/ Flammable solids category 1;
 - b/ Flammable solids category 2.
8. Self-reactive substances and mixtures:
 - a/ Self-reactive substances category 1;
 - b/ Self-reactive substances category 2;
 - c/ Self-reactive substances category 3 and 4;
 - d/ Self-reactive substances category 5 and 6;
 - e/ Self-reactive substances category 7.
9. Pyrophoric liquids: combustible liquids category 1.
10. Pyrophoric solids: combustible solids category 1.
11. Self-heating substances and mixtures:
 - a/ Self-heating substances and mixtures category 1;
 - b/ Self-heating substances and mixtures category 2.
12. Substances and mixtures which, in contact with water, emit flammable gases:
 - a/ Substances and mixtures which, in contact with water, emit flammable gases category 1;
 - b/ Substances and mixtures which, in contact with water, emit flammable gases category 2;
 - c/ Substances and mixtures which, in contact with water, emit flammable gases category 3.
13. Oxidizing liquids:
 - a/ Oxidizing liquids category 1;
 - b/ Oxidizing liquids category 2;
 - c/ Oxidizing liquids category 3.
14. Oxidizing solids:
 - a/ Oxidizing solids category 1;

- b/ Oxidizing solids category 2;
- c/ Oxidizing solids category 3.
- 15. Organic peroxides:
 - a/ Organic peroxides category 1;
 - b/ Organic peroxides category 2;
 - c/ Organic peroxides categories 3 and 4;
 - d/ Organic peroxides categories 5 and 6;
 - e/ Organic peroxides category 7.
- 16. Substances corrosive to metal: Substances corrosive to metal category 1.
- 17. Acute toxicity:
 - a/ Acute toxicity category 1;
 - b/ Acute toxicity category 2;
 - c/ Acute toxicity category 3;
 - d/ Acutely toxicity category 4;
 - e/ Acute toxicity category 5.
- 18. Skin corrosion/irritation:
 - a/ Skin corrosion/irritation category 1;
 - b/ Skin corrosion/irritation category 2;
 - c/ Skin corrosion/irritation category 3.
- 19. Serious eye damage/eye irritation:
 - a/ Serious eye damage/eye irritation category 1;
 - b/ Serious eye damage/eye irritation category 2A;
 - c/ Serious eye damage/eye irritation category 2B.
- 20. Respiratory sensitization: Respiratory sensitization category 1.
- 21. Skin sensitization: Skin sensitization category 1.
- 22. Germ cell mutagenicity:
 - a/ Germ cell mutagenicity category 1;
 - b/ Germ cell mutagenicity category 2.
- 23. Carcinogenicity:
 - a/ Carcinogenicity category 1A and B;
 - b/ Carcinogenicity category 2.
- 24. Reproductive toxicity:
 - a/ Reproductive toxicity category 1;
 - b/ Reproductive toxicity category 2.
- 25. Effects on or via lactation: Effects on or via lactation category 1.

26. Specific target organ toxicity single exposure:
- a/ Specific target organ toxicity single exposure category 1;
 - b/ Specific target organ toxicity single exposure category 2;
 - c/ Specific target organ toxicity single exposure category 3.
27. Specific target organ toxicity repeated exposure:
- a/ Specific target organ toxicity-repeated exposure category 1;
 - b/ Specific target organ toxicity-repeated exposure category 2.
28. Aspiration toxicity:
- a/ Aspiration toxicity category 1;
 - b/ Aspiration toxicity category 2.
29. Acute aquatic toxicity:
- a/ Acute aquatic toxicity category 1;
 - b/ Acute aquatic toxicity category 2;
 - c/ Acute aquatic toxicity category 3.
30. Chronic aquatic toxicity:
- a/ Chronic aquatic toxicity category 1;
 - b/ Chronic aquatic toxicity category 2;
 - c/ Chronic aquatic toxicity category 3;
 - d/ Chronic aquatic toxicity category 4.

Article 17.- Threshold concentrations for hazardous substances in mixtures required Chemical Safety Data Sheets.

1 For mixtures containing hazardous substances of the following concentrations, Chemical Safety Data Sheets are required to be compiled:

No.	Hazardous property	Concentration
1	Acute toxicity	≥ 1.0%
2	Skin corrosion/irritation	≥ 1.0%
3	Serious eye damage/eye irritation	≥ 1.038
4	Germ cell muta-genecity, category I	≥ 0.1%
5	Carcinogenecity	≥0.1%
6	Reproductive toxicity	≥0.1%
7	Specific target organ (single exposure)	≥ 1.0%
8	Aquatic toxicity	≥ 1.0%

2. The Ministry of Industry and Trade presides over and coordinate with relevant ministries and agencies to guide the implementation of Chemical Safety Data Sheets establishment for mixtures.

Chapter VI

CHEMICALS INFORMATION

Article 18.- Procedures for chemicals declaration

1. Declaration-receiving agencies

Provincial/municipal Industry and Trade Departments receive declaration dossiers from producing organizations and individuals of chemicals in the list of chemicals required declaration in the governed area.

The Ministry of Industry and Trade receives declaration dossiers from organizations and individuals importing chemicals in the list of chemicals required declaration.

2. Declaration Dossiers

A declaring organization or individual shall make two (2) dossier sets including the following documents:

- a/ Chemical declaration form issued by the Ministry of Industry and Trade;
- b/ For hazardous chemicals, a dossier of declaration must be enclosed with a copy of a chemical safety data sheet in Vietnamese and its original in the original foreign language or a copy in English.

In case chemicals have been previously declared, organizations and individuals engaged in hazardous chemical activities are not required to re-submit Chemical Safety Data Sheets.

3. Declaration time

- a/ Organizations and individuals producing chemicals on the list of chemicals required declaration have responsibility to declare in paper to provincial/municipal Industry and Trade Departments before 31st January every year;
- b/ Organizations and individuals importing chemicals have responsibility to declare in paper to the Ministry of Industry and Trade within 15 working days after the customs clearance of these chemicals. The Industry and Trade Ministry's certification of chemical declarations is one condition for these organizations and individuals to subsequently import chemicals. The Ministry of Industry and Trade issue the form of declaration certificate for imported chemicals;
- c/ Provincial/municipal Industry and Trade Department set up the books for declaration management, review the chemical declaration situation and results in their localities and report them to the Ministry of Industry and Trade in March every year.

4. Declaration exemptions

- a/ Chemicals are produced or imported only once for security, defense or response to natural disasters or emergency circumstances of diseases or epidemics;
- b/ Chemicals are produced or imported in a quantity of under 100 kg per year and not on the list of chemicals restricted from production or trading and lists of chemicals under control under international conventions.

5. The Ministry of Industry and Trade presides over and coordinate with specialized management ministries in management system to receive declaration information reports through electronic network before 31st December 2010.

Article 19.- Regulations on information confidentiality

1. Organizations and individuals engaged in chemical activities and wishing to keep confidential information not specified in item 2. Article 50 of the Chemical Law shall request in writing agencies receiving chemical declarations and reports on chemical activities.

2. Important information aiming to protect community health and environment is not regarded as confidential, including:

a/ Trade names of chemicals or mixtures of chemicals;

b/ Names of organizations and individuals producing or importing chemicals; organizations and individuals reporting on chemical activities under Articles 43 and 52 of the Chemical Law;

c/ Information in chemical safety data sheets:

d/ Information serving the prevention of and response to chemical incidents: prevention and mitigation of adverse impacts of chemical toxicity, warning information for persons using or exposed to chemicals, and methods to preliminarily remedy incidents;

e/ Methods of analysis to determine the possibility of human or environmental exposure to chemicals: summarized results of testing of chemical toxicity;

f/ Purity of mixtures of substances and hazards of additives and impurities.

3. The Ministry of Industry and Trade sets up detailed guidance on the regulation on confidentiality of declared chemical information. Agencies receiving chemical declarations and reports on chemical activities are responsible for confidential information therein.

Article 20.- Construction of the national chemical list and the national chemical database

The national chemical list and the national chemical database aim to manage chemical safety and supply of information to the system of answering and supplying information of hazardous chemicals in emergency circumstances.

The Ministry of Industry and Trade presides over and coordinate with specialized management ministries and localities to develop project of investigation and establishment for the national chemical database and the national chemical list to submit to the Prime Minister for approval before 1st July 2009.

Chapter VII

IMPLEMENTATION ORGANIZATION AND PROVISIONS

Article 21.- Tasks of ministries and branches to organize the implementation of the Chemical Law

1. Ministries and branches implement the management of chemical activities according to the Chemical Law.

2. The Ministry of Industry and Trade presides over and coordinate with specialized management ministries and provincial/ municipal People's Committees in, elaborating and submitting to the Prime Minister a scheme on the national chemical database and the national chemical list; a scheme on complete application of the Globally Harmonized System of Classification and Labeling of Chemicals in Vietnam; and a scheme on building of a system of laboratories to assess new chemicals in Vietnam.

3. The Ministry of Natural Resources and Environment presides over and coordinate with the Ministry of Defense, line ministries and provincial/ municipal People's Committees in, elaborating and submitting to the Prime Minister a scheme on survey, collection and treatment of residual chemicals left by wars; and a scheme on the elaboration of plans on

collection and treatment of residual toxic chemicals, confiscated toxic chemicals or toxic chemicals of unidentified origins.

4. The Ministry of Health and the Ministry of Agriculture and Rural Development review and promulgate under regulations lists of banned chemicals, restricted chemicals and using for medical use, chemicals usable in germicides or insecticides for domestic and medical; pharmaceuticals and food additives for plant protection, veterinary and aqua-cultural under the Chemical Law.

5. The Ministry of Agriculture and Rural Development develops and submits to the Prime Minister a scheme on compilation of Chemical Safety Data Sheets for all plant protection chemicals in Vietnam.

6. The Ministry of Public Security and the Ministry of Defense develop and promulgate management documents and lists of banned chemicals and chemicals permitted for use in security and defense assurance, riot and fire prevention and fighting.

7. The Ministry of Public Security presides over and coordinates with specialized management ministries to develop and submit to the Prime Minister a scheme on investigation, survey and capacity building of local fire prevention and fighting forces in order to prevent and respond to chemical incidents in chemical industry zones.

8. The Ministry of Transport reviews and supplements management documents related to the carriage of hazardous chemicals by road, railway, waterway and airway.

Article 22.- Effect

1. This Decree takes effect 15 days after its publication in "CONG BAO."

2. This Decree replaces the provisions of Chapter I, Chapter II, Articles 12, 13 and 20 of Chapter III. and Chapter IV of the Government's Decree No. 68/2005/ND-CP dated 20th May 2005 on chemical safety. All previous regulations are hereby annulled.

Article 23.- Implementation responsibility

Ministries, Heads of ministerial level agencies, presidents of provincial/municipal People's Committees and concerned organizations and individual are responsible to implement this Decree.

**ON BEHALF OF THE GOVERNMENT
PRIME MINISTER**

Nguyen Tan Dung

APPENDIX I

**LIST OF CHEMICALS SUBJECT TO CONDITIONAL
PRODUCTION OR TRADING**

*(Promulgated together with the Government's Decree No. 108/2008/ND-CP
dated 7th October 2008)*

No.	Name of chemical	CAS registry number	Line ministries'
1	Petrol, oil and petroleum products		Ministry of Industry and Trade
2	Liquefied gases and natural gas products		Ministry of Industry and Trade
3	Hazardous industrial chemicals		Ministry of Industry and Trade
4	Chemicals and chemical products for use in the healthcare sector		Ministry of Health
5	Chemicals and chemical products for use in the food industry		Ministry of Health
6	Chemicals and chemical products for use in veterinary medicine		Ministry of Agriculture and Rural Development
7	Chemicals and chemical products for plant protection		Ministry of Agriculture and Rural Development
8	Chemicals and chemical products for use in the fisheries sector		Ministry of Agriculture and Rural Development

APPENDIX II

LIST OF CHEMICALS RESTRICTED FROM TRADING

*(Promulgated together with the Government's Decree No. 108/2008/ND-CP
dated 7th October 2008)*

No.	Name of chemical	CAS registry number	Managing ministries
1	2	3	4
1	Amiton: O,O-Diethyl S-[2-(diethylamino) ethyl] phosphorothiolate and corresponding alkylated or protonated salts	78-53-5	Ministry of Industry and Trade
2	PFIB: L,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1 -propene	382-21-8	
3	BZ: 3-Quinuclidinyl benzilate (*)	6581-06-2	
4	Chemicals, other than those listed in Schedule 1, containing a phosphorus atom to which is bonded a methyl, ethyl or propyl (normal or iso) group but not further carbon atoms		
	For example: Methylphosphonyl dichloride	676-97-1 756-79-	

No.	Name of chemical	CAS registry number	Managing ministries
	Dimethyl methylphosphonate	6	
	Exemption: Fonofos: O-Ethyl; S-phenyl Ethylphosphonothiolothionate	944-22-9	
5	N,N-Dialkyl (Me. Et, n-Pr or i-Pr) phosphoramidic dihalides		
6	Dialkyl (Me, Et. n-Pr or i-Pr) N,N-dialkyl (Me, Et. n-Pr or i-Pr)-phosphoramidates		
7	Arsenic trichloride	7784-34-1	
8	2,2-Diphenyl-2-hydroxyacetic acid	76-93-7	
9	Quinuclidin-3-ol	1619-34-7	
10	N,N-Dialkyl (Me. Et, n-Pr or i-Pr) aminoethyl-2-chlorides and corresponding protonated salts		
11	N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-ols and corresponding protonated salts other than:		
	N,N-Dimethylaminoethanol and corresponding protonated salts	108-01-0	
	N,N-Diethylaminoethanol and corresponding protonated salts	100-37-8	
12	N,N-Dialkyl (Me. Et. n-Pr or i-Pr) aminoethane-2-thiols and corresponding protonated salts		
13	Thiodiglycol: Bis(2-hydroxyethyl) sulfite	111-48-8	
14	Pinacolyl alcohol: 3,3-Dimethylbutane-2-ol	464-07-3	
15	Phosgene: Carbonyl dichloride	75-44-5	•
16	Cyanogen chloride	506-77-4	Ministry of Industry and Trade
17	Hydrogen cyanide	74-90-8	
18	Chloropicrin: Trichloronitromethane	76-06-2	
19	Phosphorus oxychloride	10025-87-3	
20	Phosphorus trichloride	7719-12-2	
21	Phosphorus pentachloride	10026-13-8	
22	Trimethyl phosphite	121-45-9	
23	Triethyl phosphite	122-52-1	
24	Dimethyl phosphite	868-85-9	
25	Diethyl phosphite	762-04-9	
26	Sulfur monochloride	10025-67-9	
27	Sulfur dichloride	10545-99-0	
28	Thionyl chloride	7719-09-7	
29	Ethyldiethanolamine	139-87-7	

No.	Name of chemical	CAS registry number	Managing ministries
30	Methyldiethanolamine	105-59-9	
31	Triethanolamine	102-71-6	
32	Ammonium nitrate (concentration >99.5%)	6484-52-2	
33	Group of industrial explosive materials		
34	Aldrine	309-00-2	Ministry of Agriculture and Rural Development
35	Chlordane	57-74-9	
36	Dieldrine	60-57-1	
37	Endrine	72-20-8	
38	Heptachlor	76-44-8	
39	Hexachlorobenzene	118-74-1	
40	Mirex	2385-85-5	
41	Toxaphene	8001-35-2	
42	Polychlorinated Biphenyls	11097-69-1	Ministry of Natural Resources and Environment

APPENDIX III

LIST OF BANNED CHEMICALS

(Promulgated together with the Government's Decree No. 108/2008/ND-CP dated 7th October 2008)

No.	Name of chemical	CAS registry number	HS code
A	Toxic chemicals		
1	O-Alkyl (<C10, including cycloalkyl) alkyls		2931.00
	(Me, Et, n-Pr or i-Pr)-phosphonofloridate,		
	For example:		
	Sarin: O-Isopropylmethylphosphonofloridate	107-44-8	2931.00
	Soman: O-Pinacolyl methylphosphonofloridate	96-64-0	2931.00

No.	Name of chemical	CAS number	registry	HS code
2	O-Alkyl (<C10, including cycloalkyl)N.N-dialkyls			2931.00
	(Me. Et, n-Pr or i-Pr)-phosphoramidocyanidate			
	For example:			
	Tabun: O-Ethyl N,N-dimethyl phosphoramidocyanidate	77-81-6		2931.00
3	O-Alkyl (H or <C10, including cycloalkyl) S-2-dialkyls			2930.90
	(Me, Et, n-Pr or i-Pr) -aminoethyl alkyl			
	(Me, Et, n-Pr or i-Pr) phosphonothiolate and corresponding alkylated or protonated salts			
	For example:			
	VX: O-Ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate	50782-69-9		2930.90
4	Sulfur mustards:			
	2-Chloroethylchloromethylsulfite	2625-76-5		2930.90
	Mustard: Bis (2-chloroethyl) sulfite	505-60-2		2930.90
	Bis (2-chloroethylthio) methane	63869-13-6		2930.90
	Sesquimustard: 1,2-Bis (2-chloroethylthio) ethane	3563-36-8		2930.90
	1,3-Bis (2-chloroethylthio) -n-propane	63905-10-2		2930.90
	1,4-Bis (2-chloroethylthio) -n-butane	142868-93-7		2930.90
	1,5-Bis (2-chloroethylthio) -n-pentane	142868-94-8		2930.90
	Bis (2-chloroethylthiomethyl) ether	63918-90-1		2930.90
	Sulfur and oxygen mustards: Bis (2-chloroethylthioethyl) ether	63918-89-8		2930.90
5	Lewisites (containing Arsene): Lewisite 1: 2-Chlorovinylchloroarsine	541-25-3		2931.00
	Lewisite 2: Bis (2-chlorovinyl) chloroarsine	40334-69-8		2931.00
	Lewisite 3: Tris (2-chlorovinyl) arsine	40334-70-1		2931.00
6	Nitrogen mustards: HN1: Bis (2-chloroethyl) ethylamine	538-07-8		2921.19
	HN2: Bis(2-chloroethyl) methylamine	51-75-2		2921.19
	HN3: Tris(2-chloroethyl) amine	555-77-1		2921.19
7	Saxitoxin	35523-89-8		3002.90
8	Ricin	9009-86-3		3002.90
B	Pre-substances			
9	Alkyl (Me, Et, n-Pr or i-Pr) phosphonyldifluorides			
	For example DF: Methylphosphonyldifluoride	676-99-3		2931.00
10	O-Alkyl (H or <C10, including cycloalkyl) 0-2-dialkyl			2931.00

No.	Name of chemical	CAS number	registry	HS code
	(Me. Et. n-Pr or i-Pr)-aminoethyl alkyl			
	(Me, Et. n-Pr or i-Pr) phosphonite and corresponding alkylated or protonated salts			
	For example:			
	QL: O-Ethyl O-2-diisopropylaminoethyl methylphosphonite	57856-11-8		2931.00
11	Chlorosai in: O-Isopropyl methylphosphonochloridate	1445-76-7		2931.00
12	Chlorosoman: O-Pinacolyl methylphosphonochloridate	7040-57-5		2931.00

APPENDIX IV

LIST OF CHEMICALS WHICH REQUIRE ELABORATION OF CHEMICAL PREVENTION AND RESPONSE PLANS AND MAINTENANCE OF SAFETY DISTANCES

(Promulgated together with the Government's Decree No. 108/2008/ND-CP dated 7th October 2008)

No.	Hazardous chemicals	Weight (ton)
1	Ammonium nitrate (over 98%)	50
2	Potassium nitrate (in crystal form)	1.250
	Arsenic pentoxide, arsenic acid (V) and salts	1.0
4	Arsenic trioxide, and salts	0.1
5	Bromine	20.0
6	Chlorine	10.0
7	Nickel compounds in powder form which may widely spread in the air (nickel monoxide, nickel dioxide, nickel sulfite, trinickel disulfite, dinickel trioxide)	1.0
8	Ethylenimine	10.0
9	Fluorine	10.0
10	Formaldehyde (concentration ? 90%)	5.0
11	Hydrogen	5.0
12	Hydrochloride (liquefied gas)	25.0
13	Lead alkyl	5.0
14	Particularly flammable liquefied gases (including LPG and liquefied or unliquefied natural gases)	50.0
15	Acetylene	5.0
16	Ethylene oxide	5.0
17	Propylene oxide	5.0
18	Methanol	500.0

No.	Hazardous chemicals	Weight (ton)
19	4.4-Methylene bis (2-chloraniline) and/or its salts in powder form	0.01
20	Methylisoxyanate	0.15
21	Oxygen	200.0
22	Toluene diisoxyanate	10.0
23	Carbonyl dichloride (phosgene)	0.3
24	Arsenic trihydride (arsine)	0.2
25	Phosphorus trihydride (phosphine)	0.2
26	Sulfur dichloride	1.0
27	Sulfur trioxide	15.0
28	Polychlorodibenzofurans and polychlorodibenzodioxins	0.001
29	Carcinogenic substances of a concentration of over 5% by weight: 4-Aminobiphenyl and/or salts, Benzotrichloride, Benzidine and/or salts. Bis (chloromethyl) ether. Chlomethyl methyl ether, 1,2-Dibromethane, Diethyl sulfate. Dimethyl sulfate, Dimethylcarbamoyl chloride, 1.2-Dibrom-3-chloropropane. 1,2-Dimethylhydrazine, Dimethylnitrosamine. Hexamethylphosphoric triamide, Hydrazine, 2-Naphthylamine and/or salts. 4-Nitrodiphenyl and 1.3-Propanesultone	0.5
30	Petroleum products: (a) Petrol and naphtha (b) Kerosene (including engine fuel) (c) Fuel oil (including fuel diesel. oven oil and mixtures of fuel oils)	2,500.0
31	Acrylonitril	20.0
32	Hydrogen selenite	1.0
33	Nickel tetracarbonyl	1.0
34	Oxygen difloride	1.0
35	Pentaboran	1.0
36	Selenium hexafloride	1.0
37	Stibin (antimony hydril)	1.0
38	Sulfur dioxide	20.0
39	Tellurium hexafloride	1.0
40	2.2-Bis(tert-butylperoxy) butan (>70%)	5.0
41	1.1-Bis(tert-butylperoxy) xyclohexan (>80%)	5.0
42	tert-butyl peroxy acetate (>70%)	5.0
43	tert-butyl peroxy isobutyrate (>80%)	5.0
44	tert-butyl peroxy isopropylcarbonate (>80%)	5.0
45	tert-butyl peroxy maleate (>80%)	5.0
46	tert-butyl peroxy pivalat (>77%)	5.0

No.	Hazardous chemicals	Weight (ton)
47	Dibenzyl peroxydicarbonate (>90%)	5.0
48	Diethyl peroxydicarbonate (30%)	5.0
49	2.2 Dihydroperoxypropane (>30%)	5.0
50	Di-isobutyryl peroxide (>50%)	5.0
51	Di-n-propyl peroxydicarbonate (>80%)	5.0
52	Di-sec-butyl peroxydicarbonate (>80%)	5.0
53	3.3.6.6.9.9-Hexamethyl-1.2.4.5-tetroxacyclononate (>75%)	5.0
54	Methyl ethyl ketone peroxide (>60%)	5.0
55	Methyl isobutyl ketone peroxide (>60%)	5.0
56	Peracetic acid (>60%)	5.0
57	Sodium chlorate	25

APPENDIX V

LIST OF CHEMICALS SUBJECT TO COMPULSORY DECLARATION

(Promulgated together with the Government's Decree No. 108/2008/ND-CP dated 7th October 2008)

Name of chemical	Customs code
Undenatured ethyl alcohol and other spirits, of any strength	2207 20
Sulfur of all kinds, other than sublimed sulfur, precipitated sulfur and colloidal sulfur	2503
Asbestos	2524
- Asbestos powder	2525 20
- Grounded or powdered talk	2526 20
Oils and other products of the distillation of high temperature coal tars; similar products in which the weight of the aromatic constituents exceeds that of the non-aromatic constituents	2707
- Benzole	2707 10
- Toluole	2707 20
- Xylole	2707 30
- Naphthalene	2707 40
- Phenol	2707 60
Pitch and pitch coke, obtained from coal tar or from other mineral tars	2708
- Containing polychlorinated biphenyls (PCBs). polychlorinated terphenyls (PCTs) or polybrominated biphenyls (PBBs)	2710 91
- Other	2710 99
Petroleum gases and other gaseous hydrocarbons	2711
- Natural gas	2711 11

Name of chemical	Customs code
- Propane	2711 12
- Butane	2711 13
- Ethylene, propylene, butylene and butadiene	2711 14
- Natural gas	2711 21
Fluorine, chlorine, bromine and iodine	2801
- Chlorine	2801 10
- Iodine	2801 20
- Fluorine, bromine	2801 30
Sublimed or precipitated sulfur; colloidal sulfur	2802
Hydrogen, rare gases and other non-metals	2804
- Hydrogen	2804 10
- Argon	2804 21
- Other	2804 29
- Nitrogen	2804 30
- Oxygen	2804 40
- Boron; tellurium	2804 50
- Phosphorus	2804 70
- Arsenic	2804 80
- Selenium	2804 90
Alkali or alkaline-earth metals; rare-earth metals, scandium and yttrium, whether or not intermixed or interalloyed; mercury	2805
- Sodium	2805 11
- Rare-earth metals, scandium and yttrium, whether or not intermixed or interalloyed	2805 30
- Mercury	2805 40
Hydrogen chloride (hydrochloric acid); chlorosulfuric acid	2806
- Hydrogen chloride (hydrochloric acid)	2806 10
- Chlorosulfuric acid	2806 20
Sulfuric acids; oleum	2807
Nitric acid; sulfonitric acids	2808
Diphosphorous pentaoxide; phosphoric acid and polyphosphoric acids, whether or not chemically defined	2809
- Diphosphorous pentaoxide	2809 10
- Phosphoric acid and polyphosphoric acids	2809 20
Boron oxides: boric acids	2810
Other inorganic acids and other inorganic oxygen compounds of non-metals	2811

Name of chemical	Customs code
- Hydrogen fluoride (hydrofluoric acids)	2811 11
- Sulfur dioxide	2811 23
Halides and halide oxides of non-metals	2812
- Chlorides and chloride oxides	2812 10
- Other	2812 90
Sulfides of non-metals; commercial phosphorus trisulfide	2813
- Carbon disulfide	2813 10
- Other	2813 90
Ammonia, anhydrous or in aqueous solution	2814
Sodium hydroxide (caustic soda); potassium hydroxide (caustic potash); sodium Or potassium peroxides	2815
Magnesium hydroxide and peroxide; strontium or barium oxides, hydroxides and peroxides	2816
Hydrazine and hydroxylamine and their inorganic salt; other inorganic bases; other metal oxides, hydroxides and peroxides	2825
Fluorides; fluorosilicates, fluoroaluminates and other complex fluorine salts	2826
Chlorides; chloride oxides and chloride hydroxides; bromides and bromine oxides; iodides and iodide oxides	2827
Hypochlorites; commercial calcium hypochlorite: chlorites; hypobromites	2828
Chlorates and perchlorates; bromates and perbromates; iodates and periodates	2829
Sulfides; polysulfides, whether or not chemically defined	2830
Dithionites and sulfoxylates	2831
Sulfides; thiosulfates	2832
Nitrites; nitrates	2834
Phosphinates (hypophosphites). phosphonates (phosphites) and phosphates; polyphosphates, whether or not chemically defined	2835
- Phosphinates (hypophosphites). phosphonates (phosphites)	2835 10
- Phosphates:	
- Of mono- or disodium	2835 22
- Of trisodium	2835 23
- Of potassium	2835 24
- Calcium hydrogenorthophosphate ("dicalcium phosphate")	2835 25
- Other calcium phosphates	2835 26
- Other	2835 29
- Polyphosphates:	
- Sodium triphosphate (sodium tripolyphosphate)	2835 31

Name of chemical	Customs code
- Other	2835 39
Cyanides, cyanide oxides and complex cyanides	2837
Fulminates, cyanates and thiocyanates	2838
Borates; peroxoborates (perborates)	2840
Salts of oxometallic or peroxometallic acids	2841
- Aluminates	2841 10
- Zinc or lead chromates	2841 20
- Sodium dichromate	2841 30
- Other chromates and dichromates; peroxochromates	2841 50
- Manganites, manganates and permanganates:	
- Potassium permanganates	2841 61
- Other	2841 69
- Molybdates	2841 70
- Tungstates (wolframates)	2841 80
- Gold compounds	2843 1 30
- Other compounds; amalgamates	2843 90
Radioactive chemical elements and radioactive isotopes (including the Fissile or fertile chemicals elements and isotopes) and their compounds: mixtures and residues containing these products	2844
- Uranium depleted in U 235 and its compounds; thorium and its compounds; alloys, dispersions (including cermet), cermet products and mixtures containing uranium depleted in U 235. thorium or compounds of these products	2844 30
Compounds, inorganic or organic, of rare-earth metals, of yttrium or of scandium or of mixtures of these metals	2846
- Cerium compounds	2846 10
- Other	2846 90
Hydrogen peroxide, whether or not solidified with urea	2847
Phosphides, whether or not chemical defined, excluding ferro-phosphide	2848
Carbides, whether or not chemically defined	2849
Hydrides, nitrides, azides, silicides and borides, whether or not chemically defined, other than compounds which are also carbides of heading No. 2849	2850
Acyclic hydrocarbons	2901
Cyclic hydrocarbons	2902
Halogenated derivatives of hydrocarbons	2903
- Chloromethane (methyl chloride) and chloroethane (ethyl chloride)	2903 11
- Dichloromethane (methylene chloride)	2903 12
- Chloroform (trichloromethane)	2903 13

Name of chemical	Customs code
- Carbon tetrachloride	2903 14
- 1,2-Dichloroethane (ethylene dichloride)	2903 15
- Other	2903 19
- Vinyl chloride (chloroethylene)	2903 21
- Trichloroethylene	2903 22
- Tetrachloroethylene (perchloroethylene)	2903 23
- Other	2903 29
- Fluorinated, brominated or iodinated derivatives of acyclic hydrocarbons	2903 30
- Trichlorofluoromethane	2903 41
- Dichlorodifluoromethane	2903 42
- Trichlorotrifluoroethanes	2903 43
- Dichlorotetrafluoroethanes and chloropentafluoroethane	2903 44
- Other derivatives perhalogenated only with fluorine and chlorine	2903 45
- Bromochlorodifluoromethane. bromotrifluoromethane and dibromotetrafluoroethanes	2903 46
- Other perhalogenated derivatives	2903 47
- Other	2903 49
- Halogenated derivatives or cyclanic, cyclonic or cycloterpenic hydrocarbons:	
- 1.2.3,4.5.6-hexachlorocyclohexane	2903 51
- Other	2903 59
Halogenated derivatives of aromatic hydrocarbons:	
- Chlorobenzene, o-dichlorobenzene and p-dichlorobenzene	2903 61
- Hexachlorobenzene and DDT (1,1.1- trichloro-2,2-bis (p-chlorophenyl) ethane)	2903 62
- Other	2903 69
Sulfonated, nitrated or nitrosated derivatives of hydrocarbons, whether or not halogenated	2904
Acyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives	2905
Phenol: phenol alcohols	2907
Halogenated, sulfonated, nitrated or nitrosated derivatives of phenols or phenol alcohols	2908
- Derivatives containing only halogen substituents and their salts	2908 10
- Derivatives containing only sulfo groups, their salts and esters	2908 20
- Other	2908 90
Ethers, ether alcohols, ether phenols, ether-alcohol-phenols, alcohol peroxides, ether peroxides, ketone peroxides (whether or not chemically defined) and their halogenated, sulfonated, nitrated or nitrosated derivatives	2909

Name of chemical	Customs code
Epoxides, epoxyalcohols, epoxyphenols and epoxyethers, with a three-membered ring, and their halogenated, sulfonated, nitrosated derivatives	2910
Axetals and hemiaxetals, with or without other oxygen functions, and their halogenated, sulfonated, nitrated or nitrosated derivatives	2911
Aldehydes, with or without other oxygen function: cyclic polymers of aldehydes; paraformaldehyde	2912
Ketones and quinones, with or without other oxygen function, and their halogenated, sulfonated, nitrated or nitrosated derivatives	2914
Saturated acyclic monocarboxylic acids and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives	2915
- Formic acid, its salts and esters:	
- Formic acid	2915 11
- Salts of formic acid	2915 12
- Esters of formic acid	2915 13
- Acetic acid and its salts: acetic anhydride:	
Acetic acid	2915 21
Sodium acetate	2915 22
Cobalt acetate	2915 23
- Acetic anhydride	2915 24
- Other	2915 29
- Esters of acetic acid:	
- Ethyl acetate	2915 31
Vinyl acetate	2915 32
- N-butyl acetate	2915 33
- Isobutyl acetate	2915 34
- 2- Ethoxyethyl acetate	2915 35
- Other	2915 39
- Mono-, di- or trichloroacetic acids, their salts and esters	2915 40
- Propionic acid, its salts and esters	2915 50
- Butanoic acid, pentanoic acid, their salts and esters	2915 60
- Palmitic acid, stearic acid, their salts and esters	2915 70
- Other	2915 90
Polycarboxylic acids, their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives	2917
- Acyclic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives:	
- Oxalic acid, its salts and esters	2917 11

Name of chemical	Customs code
- Adipic acid, its salts and esters	2917 12
- Azelaic acid, sebacic acid, their salts and esters	2917 13
- Maleic anhydride	2917 14
- Other	2917 19
- Cyclanic. cyclenic or cycloterpenic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives	2917 20
- Aromatic polycarboxylic acids, their anhydrides, halides. peroxides, peroxyacids and their derivatives:	
- Dibutyl orthophthalates	2917 31
- Dioctyl orthophthalates	2917 32
- Dinonyl or didecyl orthophthalates	2917 33
- Other esters of orthophthalic acid	2917 34
- Phthalic. anhydride	2917 35
- Terephthalic acid and its salts	2917 36
- Dimethyl terephthalate	2917 37
- Other	2917 39
Carboxylic acids with additional oxygen functions and their anhydrides, halides, peroxides, peroxyacids and their derivatives; their halogenated. sulfonated, nitrated or nitrosated derivatives	2918
- Carboxylic acids with alcohol function, without other oxygen functions, their anhydrides, halides. peroxides, peroxyacids and their derivatives:	
- Lactic acid, its salts and esters	2918 11
- Tartaric acid	2918 12
- Salts and esters of tartaric acid	2918 13
- Citric acid	2918 14
- Salts and esters of citric acid	2918 15
- Gluconic acid, its salts and esters	2918 16
- Other	2918 19
- Carboxylic acids with phenol function, without other oxygen functions, their anhydrides, halides. peroxides, peroxyacids and their derivatives:	
- Salicylic acid and its salts	2918 21
- O-Acetylsalicylic acid, its salts and esters	2918 22
- Other esters of salicylic acid and their salts	2918 23
- Other	2918 29
- Carboxylic acid with aldehyde or ketone function, without other oxygen functions, their anhydrides, halides. peroxides, peroxyacids and their derivatives	2918 30
- Other	2918 90

Name of chemical	Customs code
Esters of other inorganic acids of non-metals (excluding esters of hydrogen halides) and their salts; their halogenated, sulfonated, nitrated or nitrosated derivatives	2920
Amine function compounds	2921
Oxygen-function amino-compounds	2922
Carboxymide-function compounds; amine-function compounds of carbonic acid	2924
Nitrile-function compounds	2926
Diazo, azo- or azoxy-compounds	2927
Organic derivatives of hydrazine or of hydroxylamine	2928
Compounds with other nitrogen function	2929
Organo-sulfur compounds	2930
Other organo-inorganic compounds	2931
Heterocyclic compounds with oxygen hetero-atom(s) only	2932
Heterocyclic compounds with nitrogen hetero-atom(s) only	2933
Propellant powders	3601
Prepared explosives, other than propellant powders	3602
Ferro-cerium and other pyrophoric alloys in all forms; articles of combustible materials as specified in Note 2 to this Chapter	3606
- Liquid or liquefied-gas fuels in containers of a kind used for filling or refilling cigarette or similar lighters and of a capacity not exceeding 300 cm ³	3606 10
- Other	3606 90
Mixed alkylbenzene and mixed alkylnaphthalenes, other than those of heading No. 2707 or 2902	3817 00
- Petroleum resins, coumarone, indene or coumaroneindene resins and polyterpenes	3911 10