

Government Decision no. 1218/2006 laying down minimum requirements for the health and safety at work for the protection of workers from risks related of chemical agents.

Under art.108 of the Romanian Constitution, republished, and art. 51 paragraph 1 point b) of the Law on health and safety at work no. 319/2006,

The Government of Romania adopts the following decision:

**Chapter I
GENERAL PROVISIONS**

Section 1

Objective of regulation and application field of

Art.1. This Decision lays down the minimum requirements for the protection of workers from risks to their safety and health arising, or likely to arise, from the effects of chemical agents that are present at the workplace or as a result of any work activity involving chemical agents.

Art. 2. The Law on health and safety at work no. 319/2006 applies, entirely to the area mentioned at art.1.

Art. 3. For carcinogens and mutagens at work, the provisions of this Decision shall apply without prejudice to more stringent and/or specific provisions contained in Government Decision no. 1093/2006 on the protection of *workers from the risks related to exposure to carcinogens or mutagens at work*.

Art. 4. – (1) The minimum health and safety requirements of this decision apply where hazardous chemical agents are present or may be present at the workplace, with respect of the provisions for chemical agents to which measures for ionizing radiation protection apply pursuant to national legislation drafted by The National Commission for Nuclear Activities Control, having regard Law no. 111/1996 on safe deployment of nuclear activities, republished, and harmonized with directives adopted under the Treaty establishing the European Atomic Energy Community.

(2) As far as the transport of hazardous chemical agents is concerned, the provisions of this Government Decision shall apply without prejudice to more stringent and/or specific provisions contained in national legislation harmonized with:

a) Directive 96/49/EC on the approximation of the member states regulations regarding transport of dangerous goods by rail, published in the Official Journal of the European Communities L no. 235/1996; in the Government Ordinance no. 49/1999 regarding the transport of dangerous goods by rail, approved with ammendmnts by the Law no 788/2001; the Government Decision no. 323/2000 regarding componence, duties and the organising and functioning regulation of the Interministerial Committee for transport of dangerous goods by rail; the

Order of the minister of public works, transport and housing no. 891/2003 establishing some roubles regarding the transport of dangerous goods by rail, Order of the minister of transports, constructions and tourism no. 2224/2004 establishing some roubles concerning the transport of dangerous goods by rail; the Government Ordinance no. 7/2005 approving the Regulation on transport of goods by rail in Romania, approved with modifications and completions by Law no.110/2006; and Order of the minister of transports, constructions

and tourism no. 644/2005 establishing some rules regarding the transport of dangerous goods by rail;

b) Directive 2002/59/EEC concerning a community system for following and information of vessels traffic and the repeal of Directive 93/75/EEC, published in OJ L no. 208/2002; in the Order of the minister of transports, constructions and tourism no. 389/2006 on approving a system of compulsory inspections for the Ro-Ro's ferryboat vessels and for the high speed passenger vessels operating in regular services;

c) Directive 94/55/CE on the approximation of member states regulations regarding the transport of dangerous goods by road, published in the Official Journal of the European Communities L no. 319/1994; the Emergency Ordinance of the Government no.109/2005 regarding the transport on road, approved with all its amendments by the Law no.102/2006; Government Ordinance no. 48/1999 regarding transport of dangerous goods on road, approved with amendments by Law no. 122/2002 and by the Government Decision no. 1374/2000 for approving Norms regarding step-by-step internal implementation of provisions of The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), done at Geneva on 30 September 1957, which Romania adhered to by Law no. 31/1994, with all its amendments;

d) IMDG Code - the International Maritime Dangerous Goods Code in force, the IBC Code – International List of the *International Maritime Organization (IMO)*, with the regulations which refer to the construction and equipment of ships carrying dangerous chemical products in bulk and The IGC Code - International List of the International Maritime Organization (IMO), with the regulations which refer to the construction and equipment of ships carrying liquefied gases in bulk;

e) The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterway and the Regulation for the Carriage of Dangerous Substances on the Rhine, as they are incorporated in Community law;

f) The Technical Instructions for the Safe Transport of Dangerous Goods by Air, published by the International Civil Aviation Organization (ICAO).

Section 2

Definitions

Art. 5. For the purpose of this Decision, the terms used below have the following meanings:

1. 'Chemical agent' - any chemical element or compound, on its own or admixed, as it occurs in the natural state or as produced, used or released, including release as waste, by any work activity, whether or not produced intentionally and whether or not placed on the market;

2. 'Hazardous chemical agent':

a) any chemical agent which meets the criteria for classification as a dangerous substance according to the Annex 1 to *Methodological Norms for application of the Emergency Ordinance of the Government of Romania no. 200/2000 relating to the classification, labeling and packaging of the chemical dangerous substances and preparations*, approved by *Government Decision no. 490/2002*, with further modifications and completions, whether or not that substance is classified under this Decision, other than those substances which only meet the criteria for classification as dangerous for the environment;

b) any chemical agent which meets the criteria for classification as a dangerous preparation within the meaning of *Methodological Norms relating to the classification, labeling and packaging of the chemical dangerous substances and preparations*, approved by *Government Decision no 92/2003*, whether or not that preparation is classified under that Government Decision, other than those preparations which only meet the criteria for classification as dangerous for the environment;

c) any chemical agent which, whilst not meeting the criteria for classification as dangerous in accordance with a) and b), may, because of its physico-chemical, chemical or toxicological properties and the way it is used or is present in the workplace, present a risk to the safety and health of workers, including any chemical agent assigned an occupational exposure limit value under Articles 6 to 10 of this Decision.

3. 'Activity involving chemical agents` -any work in which chemical agents are used, or are intended to be used, in any process, including production, handling, storage, transport or disposal and treatment, or any same process from which result chemical agents;

4. 'Occupational exposure limit value` - unless otherwise specified, the limit of the time-weighted average of the concentration of a chemical agent in the air within the breathing zone of a worker in relation to a specified reference period, for 8 hours or for a maximum 15 minutes short time ;

5. 'Biological limit value` - the limit of the concentration in the appropriate biological medium of the relevant agent, its metabolite, or an indicator of effect;

6. 'Health surveillance` - the assessment of an individual worker to determine the state of health of that individual, as related to exposure to specific chemical agents at work;

7. 'Hazard` - the intrinsic property of a chemical agent with the potential to cause harm;

8. 'Risk` - the likelihood that the potential for harm will be attained under the conditions of use and/or exposure.

Art. 6. Ministry of Labour, Social Solidarity and Family shall keep workers' and employers' organizations informed of indicative occupational exposure limit values set at European Commission level.

Section 3

Occupational exposure limit values and biological limit values

Art.7. – (1) For any chemical agent for which an indicative occupational exposure limit value is established at Community level, it shall establish a binding national occupational exposure limit value, taking into account the Community limit value.

(2) For any chemical agent for which a binding occupational exposure limit value is established at Community level, it shall establish a corresponding national binding occupational exposure limit value based on, but not exceeding, the Community limit value.

(3) Binding national occupational exposure limit values, drawn up in para.(1) and (2), shall reflect feasibility factors while maintaining the aim of ensuring the health of workers at work, and there are in annex no.1 of this Decision.

Such limit values shall be established in accordance with Article 44 and, together with scientific and technical relevant data, shall be communicated to Minister of Labour, Social Solidarity and Family.

Art. 8. - (1) For any chemical agent for which a binding biological limit value is established at Community level, it shall establish a corresponding national binding biological limit value based on, but not exceeding the Community limit value.

(2) The binding biological national limit values, described in paragraph 1, may be drawn up on the basis of a scientific evaluation and of the availability of measurement techniques, and shall reflect feasibility factors while maintaining the aim of ensuring the health of workers at work and there are in the annex no.2.

Such limit values shall be established in accordance with Article 44 and, together with scientific and technical relevant data, shall be communicated to Minister of Labour, Social Solidarity and Family.

Art. 9. Where there are introduced or revised, if the case, the national limit value for a chemical agent, established in art. 7 and 8, the Ministry of Labour, Social Solidarity and Family it shall inform the Commission and other Member States about it and together with the relevant scientific and technical data.

Art.10. Standardized methods for the measurement and evaluation of workplace air concentrations in relation to occupational exposure limit values shall be developed in accordance with practical recommendations established by European Commission.

Chapter II

EMPLOYERS' OBLIGATIONS

Section 1

Determination and assessment of risk of hazardous chemical agents

Art.11. – (1) In carrying out his obligation to ensure the health and safety of workers in any activity involving hazardous chemical agents, the employer shall take the necessary preventive measures set out in Article 7(1) to (3) of Law no.319/2006 and includes the measures set out in this Decision.

(2) The employer must assure that the risks to the health and safety of workers at work, involving hazardous chemical agents is eliminated or reduced to a minimum. Occupational exposure limit value for chemical agents at work, established in annex no.1, and the occupational biological limit value, established in annex no.2, are compulsory, maintaining the chemical agents concentration at minimum level.

(3) The limit values established at paragraph (2) are the maximum admissible value.

Art.12. - (1) In carrying out the obligations laid down in Art. 7(4) and 12(1) of Law no.319/2006, the employer shall determine whether any hazardous chemical agents are present at the workplace.

(2) If chemical agents are present at the workplace, employer shall assess any risk to the safety and health of workers arising from the presence of those chemical agents, taking into consideration:

a) their hazardous properties,

b) information on safety and health that are provided by the supplier, e.g. the relevant safety data sheet in accordance with the provisions of Government Decision no. 490/2002, with all its amendments;

c) the level, type and duration of exposure;

d) the circumstances of work involving such agents, including their amount;

e) the national occupational exposure limit values or biological limit values;

- f) the effect of preventive measures taken or to be taken;
- g) where available, the conclusions to be drawn from any health surveillance already undertaken.

(3) The employer shall obtain additional information which is needed for the risk assessment from the supplier or from other readily available sources. Where appropriate, this information shall comprise the specific assessment concerning the risk to users, established on the basis of applicable national legislation, harmonized with the Community one regarding chemical agents.

Art. 13. The employer must to be in possession of an assessment of the risk, in accordance with Article 12 of Law no. 319/2006, and to identify which measures must to be taken in accordance with articles 12 to 24.

Art. 14. – (1) The risk assessment must to be documented in a suitable form according to national law and practice, and may include a justification by the employer that the nature and extent of the risks related to chemical agents make a further detailed risk assessment unnecessary.

(2) The risk assessment shall be kept up-to-date, particularly if there have been significant changes which could render it out-of-date, or when the results of health surveillance show it to be necessary.

(3) Certain activities within the undertaking or establishment must to be included in the risk assessment, such as maintenance, in respect of which it is foreseeable that there is a potential for significant exposure risk, or which may result in deleterious effects to safety and health for other reasons, even after all technical measures have been taken.

(4) In the case of activities involving exposure to several hazardous chemical agents, the risk shall be assessed on the basis of the risk presented by all such chemical agents in combination.

Art. 15. In the case of a new activity involving hazardous chemical agents, work process must to commence only after an assessment of the risk of that activity has been made and any preventive measures identified have been implemented.

Art. 16. Practical guidelines for the determination and assessment of risk, and for the application of preventive measures in aim to their increase, shall be developed in accordance with the practical recommendations of the European Commission.

Section 2

General principles for prevention of risks associated with hazardous chemical agents and application of this Decision in relation with assessment of risks

Art. 17. The employer must to take the measures to eliminate or reduce to a minimum the risks to the health and safety of workers in any work process involving hazardous chemical agents, especially by:

- a) the design and organisation of systems of work at the workplace,
- b) the provision of suitable equipment for work with chemical agents, the elaboration and implementation of the maintenance procedures that ensure the health and safety of workers in work process,
- c) reducing to a minimum the number of workers exposed or likely to be exposed,
- d) reducing to a minimum the duration and intensity of exposure,
- e) appropriate hygiene measures,

f) reducing the quantity of chemical agents present at the workplace to the minimum required for the type of work concerned,

g) suitable working procedures including arrangements mainly for the safe handling, storage and transport within the workplace of hazardous chemical agents and waste containing such chemical agents.

Art. 18. – (1) Where the results of the assessment referred to in art.12 reveal a risk to the safety and health of workers, shall be applied the specific protection, prevention and monitoring measures laid down in art.19- 29 and art.38 - 42 from this Decision.

(2) Where the results of the risk assessment referred to in art.12 show that, because of the quantities of a hazardous chemical agent present in the workplace, there is only a slight risk to the safety and health of workers, and the measures taken in accordance with art. 11 paragraph (1), art. 17 and art. 20 paragraph (4) are sufficient to reduce that risk, the provisions laid down in art.19 - 29 and art.38 - 42 shall not apply.

Section 3

Specific protection and prevention measures

Art. 19. The employer shall ensure that the risk from a hazardous chemical agent to the safety and health of workers at work is eliminated or reduced to a minimum.

Art.20. – (1) In applying of art. 19, substitution shall by preference be undertaken, whereby the employer shall avoid the use of a hazardous chemical agent by replacing it with a chemical agent or process which, under its condition of use, is not hazardous or less hazardous to workers' safety and health, as the case may be.

(2) Where the nature of the activity does not permit risk to be eliminated by substitution, having regard to the activity and risk assessment referred to in art.12 - 16, the employer shall ensure that the risk is reduced to a minimum by application of protection and prevention measures.

(3) In order of priority, the measures mentioned in paragraph (2) will include:

a) design of appropriate work processes and engineering controls and use of adequate equipment and materials, so as to avoid or minimise the release of hazardous chemical agents which may present a risk to workers' safety and health at the place of work;

b) application of collective protection measures at the source of the risk, such as adequate ventilation and appropriate organizational measures;

c) where exposure cannot be prevented by other means, application of individual protection measures including personal protective equipment.

(4) Practical guidelines for protection and prevention measures to control risk are developed in accordance with art. 43.

Art.21. The measures referred to in art. 20 are accompanied by health surveillance in accordance with art. 38 – 42, if it is appropriate to the nature of the risk.

Art. 22. Unless the employer clearly demonstrates by other means of evaluation that, in accordance with art. 20, adequate prevention and protection have been achieved, the employer shall carry out on a regular basis, and when any change occurs in the conditions which may affect workers' exposure to chemical agents, such measurements of chemical agents which may present a risk to worker's health at the workplace as are necessary, in particular in relation to the occupational exposure limit values.

Art. 23. – (1) The employer shall take into account the results of the procedures referred to in art. 12 - 16 in carrying out the obligations laid down in or resulting, as a consequence of art. 22.

(2) In the situation that, an occupational exposure limit value effectively established at national level of has been exceeded, the employer shall immediately take steps, taking into account the nature of that limit, to remedy the situation by carrying out preventive and protective measures.

Art. 24. – (1) On the basis of the overall assessment of and general principles for the prevention of risks in art.11, paragraph (1), art.12 - 18 and art. 20 paragraph, the employer shall take technical and/or organisational measures appropriate to the nature of the operation, including storage, handling and segregation of incompatible chemical agents, providing protection of workers against hazards arising from the physico-chemical properties of chemical agents.

(2) In particular he shall take measures, in order of priority, especially to:

a) prevent the presence at the workplace of hazardous concentrations of inflammable substances or hazardous quantities of chemically unstable substances or, where the nature of the work does not allow that,

b) avoid the presence of ignition sources which could give rise to fires and explosions, or adverse conditions which could cause chemically unstable substances or mixtures of substances to give rise to harmful physical effects, and

(c) mitigate the detrimental effects to the health and safety of workers in the event of fire or explosion due to the ignition of inflammable substances, or harmful physical effects arising from chemically unstable substances or mixtures of substances.

(3) Work equipment and protective systems provided by the employer for the protection of workers shall comply with the relevant Community provisions on design, manufacture and supply with respect to health and safety.

(4) Technical and/or organisational measures taken by the employer shall take account of and be consistent with the equipment group categorisation in annex nr.1 to Government Decision nr. 752/2004 concerning the putting on market and use of equipment and protective systems intended for use in potentially explosive atmospheres , with its amendments.

(5) The employer shall take measures to provide sufficient control of plant, equipment and machinery or provision of explosion suppression equipment or explosion pressure relief arrangements.

Section 4

Arrangements to deal with accidents, incidents and emergencies

Art. 25. In order to protect the safety and health of workers from an accident, incident or emergency related to the presence of hazardous chemical agents at the workplace, in respect to obligations laid down in Articles 10 and 11 of Law nr. 319/2006, the employer shall, establish measures or action, which can be put into effect when any such event occurs, so that appropriate action is taken. These arrangements must to include any relevant safety drills which are to be performed at regular intervals, and the provision of appropriate first aid facilities.

Art.26. – (1) In the case of the occurrence of an event such as is mentioned in art. 25, the employer takes steps immediately to mitigate the effects of the event and to inform the workers concerned thereof.

(2) In order to restore the situation to normal the employer shall:

- a) implement appropriate measures to remedy the situation as soon as possible,
- b) be permitted to work in the affected area only those workers who are essential to the carrying out of repairs and other necessary works.

Art. 27. – (1) The workers who are permitted to work in the affected area shall be provided with appropriate protective clothing, personal protective equipment, specialised safety equipment and plant which they must use as long as the situation persists.

(2) The situation of art. 25 must not to be permanent.

(3) Unprotected persons shall not be permitted to remain in the affected area.

Art.28. Without prejudice to Article 10 and 11 of Law nr. 319/2006, the employer shall take the measures necessary to provide the warning and other communication systems required to signal an increased risk to safety and health, to enable an appropriate response and to launch remedial actions, assistance, escape and rescue operations immediately if the need arises.

Art.29. – (1) The employer shall ensure that information on emergency arrangements involving hazardous chemical agents is available.

(2)The relevant internal and external accident and emergency services have access to the information stipulated in paragraph (1).

(3) The information stipulated in paragraph (1) shall include the following:

- a) advance notice of relevant work hazards, b) hazard identification arrangements, c) precautions and procedures, so that the emergency services can prepare their own response procedures and precautionary measures; and
- d) all the available information concerning specific hazards arising, or likely to rise, at the time of an accident or emergency,
- e) information on measures prepared pursuant to this article.

Section 5

Information and training for workers

Art.30. Without prejudice to Articles 18, 22 and 23 of aw nr. 319/2006, the employer shall ensure that workers and/or their representatives are provided with:

- a) the data obtained pursuant to art. 12 - 16 and further information whenever a major alteration at the workplace leads to a change in these data,
- b) information on the hazardous chemical agents occurring in the workplace, such as the identity of those agents, the risks to safety and health, relevant occupational exposure limit values and other legislative provisions,
- c) training and information on appropriate precautions and actions to be taken in order to safeguard themselves and other workers at the workplace;
- d) access to any safety data sheet provided by the supplier in accordance with Chapter VIII of *Methodological Norms relating to the classification, labeling and packaging of the chemical dangerous substances and preparations*, approved by *Government Decision no 92/2003*;

(2) The employer ensure that the information for workers or their representatives is:

a) provided in a manner appropriate to the outcome of the risk assessment pursuant to art. 12 - 16. This may vary from oral communication to individual instruction and training supported by information in writing, depending on the nature and degree of the risk revealed by the assessment required by the paragraph (1);

b) updated to take account of changing circumstances.

Art.31. Where containers and pipes for hazardous chemical agents used at work are not marked in accordance with the relevant Community legislation on the labelling of chemical agents and on safety signs at the workplace, the employer shall, without prejudice to the derogations provided for in the above mentioned legislation, ensure that the contents of the containers and pipes, together with the nature of those contents and any associated hazards, are clearly identifiable.

Art.32. The employers may, preferably from the producer or supplier, obtain on request all information on hazardous chemical agents needed to apply art.12, insofar as to not include any obligation to provide information.

Art. 33. Consultation and participation of workers and/or their representatives shall take place in accordance with Article 18 – 20 from the Law no. 319/2006.

Chapter III

Interdiction. Health surveillance

Section 1

Prohibitions

Art. 34. It is prohibited the production, manufacture or use at work of the chemical agents and the activities set out in annex 3, in the condition provided in it, in order to prevent the workers exposure to risks for health of some chemical agents and/or certain activities which involved chemical agents.

Art. 35. - (1) It may be permitted derogations from requirements of art. 34 in the following circumstances:

a) for the sole purpose of scientific research and testing, including analysis;

b) for activities intended to eliminate chemical agents that are present in the form of by-products or waste products;

c) for the production of the chemical agents referred to in art.34 for use as intermediates, and for such use.

(2)The exposure of workers to chemical agents referred to in art.34 must be prevented, in particular by providing that the production and earliest possible use of such chemical agents as intermediates must take place in a single closed system, from which the aforesaid chemical agents may be removed only to the extent necessary to monitor the process or service the system.

Art.36. When derogations are permitted pursuant to art.34, Ministry of Labour, Social Solidarity and Family shall request the employer to submit the following information:

a) the reason for requesting the derogation,

b) the quantity of the chemical agent to be used annually,

c) the activities and/or reactions or processes involved,

- d) the number of workers liable to be involved,
- e) the precautions envisaged to protect the safety and health of workers concerned,
- f) the technical and organisational measures taken to prevent the exposure of workers.

Art.37. The Ministry of Labour, Social Solidarity and Family, together with Ministry of Public Health could be the initiators of the Government Decision, that attend to amend the list of prohibitions under art. 34, to include further chemical agents or activities, on the basis of amendments established by the European Union Council.

Section 2

Health surveillance

Art. 38. – (1) In respect of art. 26 and 27 of the Law nr.319/2006, Ministry of Public Health introduce necessary measures for realise the appropriate health surveillance of workers for whom the results of the assessment referred to in Art.12 – 16 reveal a risk to health. These measures, including the requirements specified for health and exposure records and their availability, are introduced in accordance with national laws and/or practice.

(2) Health surveillance, the results of which shall be taken into account in applying preventive measures in the respective workplace, shall be appropriate where the following conditions are simultaneously fulfill:

- a) the exposure of the worker to a hazardous chemical agent is such that an identifiable disease or adverse health effect may be related to the exposure, and
- b) there is a likelihood that the disease or effect may occur under the particular conditions of the work place, and
- c) the technique of investigation is of low risk to workers.

(3) Furthermore than paragraph (1) and (2), in aim to fulfill the health surveillance, there must apply valid techniques for detecting indications of the disease or effect.

(4) Where a binding biological limit value has been set as indicated in annex 2, health surveillance shall be a compulsory requirement for work with the hazardous chemical agent in question, in accordance with the procedures in that annex.

(5) Workers shall be informed of the requirement of paragraph (4) before being assigned to the task involving risk of exposure to the hazardous chemical agent indicated.

Art. 39. – (1) The use of the lead basic carbonate – ceruse, lead sulphate and of all products which contain these pigments is forbidden in any dye work, except the coach dye, the train bridges, the double bottom of the vessels, the wall painting. In such cases, the lead basic carbonate, lead sulphate and the products which contain them shall be used only in paste or ready dye.

(2) It is forbidden the painting by spraying with the lead minium (oxide).

(3) It is forbidden the work of young people younger than 18 years or women to dye works using the lead basic carbonate, lead sulphate or lead minium,

Art. 40. Ministry of Public Health shall establish arrangements to ensure that for each worker who undergoes health surveillance in accordance with the requirements of art. 38, individual health and exposure records are made and kept up-to-date.

Art. 41. – (1) Health and exposure records related to health surveillance and exposure must to contain a summary of the results of health surveillance carried out and of any monitoring data representative of the exposure of the individual to the dangerous chemical agent.

- (2) Biological monitoring and related requirements may form part of health surveillance.
- (3) Health and exposure records shall be kept in a suitable form so as to permit consultation at a later date, taking into account any confidentiality.
- (4) Copies of the appropriate records shall be supplied to the territorial and Bucharest's public health authority, on request. The individual worker shall, at his request, have access to the health and exposure records relating to him personally.
- (5) The individual worker shall, at his request, have access to the health and exposure records relating to him personally
- (6) Where an undertaking ceases to trade, the health and exposure records shall be made available to the territorial and Bucharest's public health authority.

Art.42. – (1)The worker shall be informed by the doctor or other suitably qualified person of the result which relates to him personally, including information and advice regarding any health surveillance which he should undergo following the end of the exposure where, as a result of health surveillance, it was ascertained that:

a) a worker is found to have an identifiable disease or adverse health effect which is considered by a doctor or occupational health-care professional to be the result of exposure at work to a hazardous chemical agent, or

b) a binding biological limit value is found to have been exceeded,

(2) In cases of points a) and b) of paragraph (1), the employer shall do, simultaneously, the following:

a) review the risk assessment made pursuant to Art. 12,

b) review the measures provided to eliminate or reduce risks pursuant to Articles 11(1), articles 17 to 24,

c) take into account the advice of the occupational health-care professional or other suitably qualified person or of the territorial and Bucharest's public health authority, as competent authority, in implementing any measures required to eliminate or reduce risk in accordance with art. 19 - 24, including the possibility of assigning the worker to an work where there is no risk of further exposure, and

d) arrange continued health surveillance and provide for a review of the health status of any other worker who has been similarly exposed. In such cases, the competent doctor or occupational health-care professional or the competent authority may propose that exposed persons undergo a medical examination.

Art. 43. The Ministry of Labour, Social Solidarity and Family and the Ministry of Public Health shall draw up practical recommendations, concerning the topics referred to in Articles 7 - 24 and to point 1 of Annex 2, in accordance with practical recommendations established by the European Commission.

CHAPTER IV

Final provisions

Art. 44. – (1) Based on the available information about chemical agents, including the existing scientific and technical data, as well the European Union Council Decisions, the limit values, the necessary guides in use are set out by a commission of representatives

from Ministry of Public Health and Ministry of Labor, Social Solidarity and Family, and also of specialists designated by this two ministries, by case.

(2) The commission refers to in paragraph 1 elaborates its own rules of procedures, which will be approved by a common order of the minister of labour, social solidarity and family and minister of public health.

(3) The commission refers to in paragraph 1, when considers it's necessary and it proves scientifically, could propose to the involved institutions to adopt other directly related provisions.

Art. 45. The Ministry of Labour, Social Solidarity and Family together with the Minister of Public Health assure drawing up of the regulations and administrative provisions necessary to comply with this Decision.

Art. 46. – (1)The Ministry of Labour, Social Solidarity and Family shall communicate to the European Commission the texts of the provisions of national law which they have already adopted or which they are adopting in the field governed by this Decision.

(2) The Ministry of Labour, Social Solidarity and Family, shall inform the European Commission every 5 years on the practical implementation of this Decision, indicating the views of employers and workers.

Art. 47.The Annexes 1 to 3 are fully part of this Decision.

This Government Decision transposes the provisions of the following directives:

a)-Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC), published in Official Journal of the European Union no. L 131 on May 5th 1998.

b)- Directive 91/322/EEC on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work, published in Official Journal of the European Union no. L 177 on July 5th 1991.

c)- Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, published in Official Journal of the European Union no. L 142 on June 16th 2000.

d)- Directive 2006/15/EC establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC, published in Official Journal of the European Union no. L 38 on February 9th 2006.

ANNEX no.1

NATIONAL BINDING OCCUPATIONAL EXPOSURE LIMITS VALUES OF THE CHEMICAL AGENTS

Nr. crt.	CAS	EINECS	Name of agent	Maximum limit value					
				8 ore		Short term (15 minute)			
				mg/m ³	ppm	mg/m ³	ppm		
1.	75-07-0	200-836-8	Acetaldehida	90	50	180	100		
2.	628-63-7 626-38-0	211-047-3 210-946-8	Acetat de amid Acetat de izoamil	300	56	500	94		
3.	140-11-4	205-399-7	Acetat de benzil	50	8	80	13		
4.	112-07-2	203-933-3	Acetat de 2-butoxietil	P	133	20	333	50	
5.	123-86-4 110-19-0	204-658-1 203-745-1	Acetat de butil Acetat de izobutil		715	150	950	200	
6.	111-15-9	203-839-2	Acetat de celosolv (2 etoxietil-acetat)	P	30	5,6	50	9,3	
7.	141-78-6	205-500-4	Acetat de etil		400	111	500	139	
8.	108-84-9	203-621-7	Acetat de hexil secundar		150	25	250	42	
9.	123-92-2	204-662-3	Acetat de izopentil		270	50	540	100	
10.	79-20-9	201-185-2	Acetat de metil		200	63	600	188	
11.	110-49-6	203-772-9	Acetat de metil celosolv (2-metoxietil acetat)	P	25	5	50	10	
12.	108-65-6	203-603-9	Acetat de 2-metoxi-1 metiletil	P	275	50	550	100	
13.	626-38-0	210-946-8	Acetat de 1-metilbutil		270	50	540	100	
14.	628-63-7	211-047-3	Acetat de pentil		270	50	540	100	
15.	620-11-1	-	Acetat de 3-pentil		270	50	540	100	
16.	109-60-4	203-686-1	Acetat de propil și izopropil		400	96	600	144	
17.	625-16-1	-	Acetat de terț-amil		270	50	540	100	
18.	108-05-4	203-545-4	Acetat de vinil		20	6	50	14	
19.	-	-	Acetil acetat de etil		100	19	200	38	
20.	67-64-1	200-662-2	Acetonă		1210	500	-	-	
21.	75-86-5	200-909-4	Acetoncianhidrina	P	2	0,6	10	2,9	
22.	75-05-8	200-835-2	Acetonitril	P	70	40	-	-	
23.	64-19-7	200-580-7	Acid acetic		25	10	-	-	
24.	79-10-7	201-177-9	Acid acrilic		5	1,7	10	3,4	
25.	10035-10-6	233-113-0	Acid bromhidric		-	-	6,7	2	
26.	107-92-6	203-532-3	Acid butiric		15	4	30	8	
27.	74-90-8	200-821-6	Acid cianhidric	P	0,30	0,3	1	1	
28.	7647-01-0	231-595-7	Acid clorhidric		8	5	15	10	
29.	598-78-7	209-952-3	Acid 2-clorpropionic		1	0,2	2	0,4	
30.	75-99-0	200-923-0	Acid 2,2-diclorpropionic		2	0,3	10	1,7	
31.	-	-	Acid diclorpropionic, sare de amoniu		150	-	200	-	
32.	-	-	Acid diclorpropionic, sare de izopropilamină		20	-	50	-	
33.	-	-	Acid dimetilditiofosforic		10	-	15	-	
34.	7664-39-3	231-634-8	Acid fluorhidric		1,5	1,8	2,5	3	
35.	64-18-6	200-579-1	Acid formic		9	5	-	-	
36.	7782-79-8	231-965-8	Acid hidrazoic		1	-	2	-	
37.	79-41-4	201-204-4	Acid metacrilic		30	8,5	45	13	
38.	79-11-8	201-178-4	Acid monocloracetic		-	-	1	-	
39.	7697-37-2	231-714-2	Acid nitric		-	-	2,6	1	
40.	7664-38-2	231-633-2	Acid ortofosforic		1	-	2	-	
41.	144-62-7	205-634-3	Acid oxalic		1	-	-	-	
42.	88-89-1	201-865-9	Acid picric		0,1	-	-	-	
43.	79-09-4	201-176-3	Acid propionic		31	10	62	20	
44.	7664-93-9	231-639-5	Acid sulfuric și anhidridă sulfuroasă		0,50	-	1	-	
45.	79-06-1	201-173-7	Acrilamidă	pC	P	0,03	-	-	
46.	141-32-2	205-480-7	Acrilat de n-butil		11	2	53	10	
47.	140-88-5	205-438-8	Acrilat de etil		P	30	7	80	20
48.	96-33-3	202-500-6	Acrilat de metil		P	20	6	30	9
49.	107-13-1	203-466-5	Acrilonitril	pC	P	5	2,3	10	4,6
50.	107-02-8	203-453-4	Acroleina		0,30	0,1	0,50	0,2	
51.	-	-	Agefor (etil-izobutil-ditiofosfat de amoniu)		2	-	6	-	
52.	-	-	Alaclor (metaclor)[2-cloro-2,6 dietil-N-metoximetil]-acetanilidă]		20	-	30	-	
53.	1596-84-5	216-485-9	Alar (hidrazida acidului succinic,tepacen)		1	-	3	-	
54.	-	-	Alchil și aril clorsilani		2	-	3	-	
55.	107-18-6	203-470-7	Alcool alilic		P	4,8	2	12,1	5

56.	123-51-3	204-633-5	Alcool amilic și izoamilic			100	-	200	-
57.	71-36-3 78-03-1	200-751-6 -	Alcool butilic Alcool izobutilic			100	33	200	66
58.	112-30-1	203-956-9	Alcool decilic			100	15	200	30
59.	-	-	Alcooli dioxianici			100	-	150	-
60.	64-17-5	200-578-6	Alcool etilic			1900	1000	9500	5000
61.	98-00-0	202-626-1	Alcool furfurilic			50	12,5	100	25
62.	111-70-6	203-897-9	Alcool heptilic (1-heptanol)			150	31,5	250	53
63.	111-27-3	208-852-3	Alcool hexilic			150	36	250	60
64.	108-11-2	203-551-7	Alcool metil-amilic (metil-izobutil-carbinol; 4 metil-2 pentanol)	P		60	-	100	-
65.	67-56-1	200-659-6	Alcool metilic	P		260	200	-	5
66.	143-08-8	205-583-7	Alcool nonilic			150	25	250	42
67.	111-87-5 123-96-6	203-917-6 204-667-0	Alcool octilic Alcool izooctilic		P	150	28	250	47
68.	71-23-8 67-63-0	200-746-9 200-661-7	Alcool propilic Alcool izopropilic			200	81	500	203
69.	123-73-9	204-647-1	Aldehidă n-butirică și izobutirică			-	-	25	9
70.	107-20-0	203-472-8	Aldehidă cloracetică			-	-	3	5000
71.	309-00-2	206-215-8	Aldrin sau izodrin (1,2,3,4,10,10-hexaclor 1,4,4a,5,8, 8a-hexahidro-1,4,5,8-diendodimetilen-naftalină)		P	0,20	-	0,25	-
72.	7429-90-5	231-072-3	Aluminiu și oxizi (pulberi)			3	-	10	-
73.	7429-90-5	231-072-3	Aluminiu și oxizi (fumuri)			1	-	3	-
74.	7664-41-7	231-635-3	Amoniac			14	20	36	50
75.	108-24-7	203-564-8	Anhidridă acetică			15	3,6	25	6
76.	1303-86-2	215-125-8	Anhidridă borică			10	-	15	-
77.	-	-	Anhidridă butirică			1	-	5	-
78.	1314-56-3	215-236-1	Anhidridă fosforică			0,50	-	1,50	-
79.	85-44-9	201-607-5	Anhidridă ftalică (vapori și aerosoli de condensare)			2	0,3	5	0,8
80.	108-31-6	203-571-6	Anhidridă maleică			1	0,25	3	0,75
81.	62-53-3	200-539-3	Anilină		P	3	0,80	5	1,30
82.	-	-	Anisidină (aminoanizoli o,m,p)		P	0,30	0,06	0,50	0,1
83.	-	-	Antimolia (3,4,6, 2',3',5' hexaclor-dibenzen-sulfonamida)			150	-	250	-
84.	7440-36-0	231-146-5	Antimoniu (stibiu)			0,20	-	0,50	-
85.	86-88-4	201-706-3	ANTU (alfa-naftil-tiouree)			0,20	-	0,60	-
86.	7440-22-4	231-131-3	Argint –metal			0,1	-	-	-
87.	7440-22-4	231-131-3	Argint (compuși solubili exprimați ca Ag)			0,01	-	-	-
88.	7440-38-2	231-148-6	Arsen și compuși anorganici		C	0,01	-	0,100	-
89.	1912-24-9	217-617-8	Atrazină			1	-	2	-
90.	8052-42-4	232-490-9	Asfalt (fumuri)			5	-	-	-
91.	26628-22-8	247-852-1	Azida de sodiu		P	0,1	-	0,3	-
92.	-	-	Azonaftol AS-SW			500	-	1000	-
93.	7440-39-3	231-149-1	Bariu (compuși solubili exprimați ca Ba)			0,5	-	-	-
94.	50-32-8	200-028-5	3-4 benzpiren (benz(a)piren)	Fp	pC	-	-	-	-
95.	71-43-2	200-753-7	Benzen		C P	3,25	1	-	-
96.	92-87-5	202-199-1	Benzidină	Fp	C P	-	-	-	-
97.	-	-	Benzine (carburanți)			300	-	500	-
98.	93-89-0	202-284-3	Benzoat de etil			200	33	300	49
99.	-	-	Benzoxalonă			20	-	50	-
100.	7440-41-7	231-150-7	Beriliu și compuși (exprimați în Be)		pC	0,002	-	-	-
101.	-	-	Biocid ETA-3 (hexahidro-1,3,5- trietanol-S-triazina)			-	-	3	-
102.	-	-	Biocid PR (hexahidro-1,3,5- tripropil –S-triazina)			-	-	1	-
103.	-	-	Biocid TH (hexahidro-1,3,5- trietil-S-triazina)			-	-	0,40	-
104.	124-38-9	204-696-9	Bioxid de carbon			9000	5000	-	-
105.	7446-09-5	231-195-2	Bioxid de sulf (anhidrida sulfuroasă)			5	2	10	4
106.	10049-04-4	233-162-8	Bioxid de clor			0,10	0,04	0,30	0,11
107.	542-88-1	208-832-8	Bis-cloro-metil-eter		C Fp	-	-	-	-
108.	2179-59-1	218-550-7	Bisulfura de alil-propil			10	1,7	20	3,4
109.	-	-	Borazon (bentazon;basagran;3-izopropil-(1H)-benzo-2,1,3, triadiazin-4-on-2,2 bioxid)			5	-	10	-
110.	-	-	Borazon sare de sodiu			1	-	2	-
111.	7726-95-6	231-778-1	Brom			0,7	0,1	-	-
112.	74-96-4	200-825-8	Bromură de etil			400	90	500	112
113.	74-83-9	200-813-2	Bromură de metil		P	20	5	30	7,5
114.	74-95-3	200-824-2	Bromură de metilen			10	1,4	50	7
115.	593-60-2	209-800-2	Bromură de vinil		pC	22	5	-	-
116.	106-99-0	203-450-8	Butadienă (1,3 divinil)		pC	22	10	-	-
117.	78-93-3	201-159-0	Butanona			600	200	900	300
118.	109-73-9	203-699-2	Butilamina		P	-	-	15	5
119.	111-76-2	203-905-0	Butil celosolv (butil-glicol; butoxi-2-etanol)		P	150	30	250	50

120.	-	-	Butilfosfați (di și tri)		2	-	5	-
121.	2426-08-6	219-376-4	N-butil-glicidil-eter (BGE)		100	19	200	38
122.	-	-	Butil-eter-3 propilen –glicol (flotarom DF)		-	-	22	-
123.	111-76-2	203-905-0	2-Butoxietanol	P	98	20	246	50
124.	98-51-1	202-675-9	Butil-toluen-terțiar		45	7,5	60	10
125.	7440-43-9	231-152-8	Cadmium și compuși (exprimați în Cd)	pC	0,05	-	-	-
126.	76-22-2	200-945-0	Camfor		1	6	3	18
127.	-	-	Caragrad (terbumeton)		0,50	-	1	-
128.	105-58-8	203-311-1	Carbonat de dietil		700	145	1000	207
129.	497-19-8	207-838-8	Carbonat de sodiu		1	-	3	-
130.	-	-	Carbonetoxi-izocianat		-	-	50	-
131.	105-60-2	203-313-2	ε –caprolactama (pulbere, vapori)		10	-	40	-
132.	110-80-5	203-804-1	Celosolv (etil-glicol; etoxi-2-etanol)	P	20	5	40	10
133.	463-51-4	207-336-9	Cetena		0,50	-	1,50	-
134.	106-51-4	203-405-2	Chinona		0,30	-	0,40	-
135.	-	-	Chinoxalin-2,6-diclor		50	-	100	-
136.	420-04-2	206-992-3	Cianamida	P	1	0,58	-	-
137.	-	-	Cianuri și cianogeni(exprimați în CN)	P	0,50	-	1	-
138.	110-82-7	203-806-2	Ciclohexan		700	200	-	-
139.	108-93-0	203-630-6	Ciclohexanol	P	100	25	200	50
140.	108-94-1	203-631-1	Ciclohexanonă	P	40,8	10	81,6	20
141.	-	-	Ciclohexanon-izo-oximă(caprolactamă)		5	-	10	-
142.	110-83-8	203-807-8	Ciclohexenă		700	208	1200	357
143.	106-87-6	203-437-7	Ciclohexen-dioxid-vinil	pC	57	10	-	-
144.	108-91-8	203-629-0	Ciclohexilamină		20	5	40	10
145.	542-92-7	208-835-4	Ciclopentadienă		100	35,5	200	75
146.	12079-65-1	235-142-4	Ciclopentadienil tricarbonil-mangan		0,10	-	0,30	-
147.	75-19-4	200-847-8	Ciclopropan		500	290	700	407
148.	7782-50-5	231-959-5	Clor		-	-	1,5	0,5
149.	532-27-4	208-531-1	Clor acetofenonă		-	-	0,30	0,05
150.	-	-	Cloral		2	-	3	-
151.	106-47-8	203-401-0	Clor-anilină(p)	P	2	-	5	-
152.	108-90-7	203-628-5	Clor-benzen (mono)		23	5	70	15
153.	74-97-5	200-826-3	Clor-brom metan		700	132	1000	189
154.	506-77-4	208-052-8	Clor cian		-	-	1	0,4
155.	57-74-9	200-349-0	Clordan (1,2,4,5,6,7,8,8, octaclor-3a,5,7,7a-tetrahidro-4,7 metanoindan)		0,30	-	0,60	-
156.	75-45-6	200-871-9	Clorodifluorometan		1600	1000	-	-
157.	53469-21-9	-	Clordifenil (42% clor)	P	-	-	1	-
158.	11097-69-1	-	Clordifenil (54% clor)	P	-	-	0,50	-
159.	-	-	αclor-izobutiraldehidă		-	-	20	-
160.	-	-	Clor-metil-6-clorbenzoxazonă		15	-	20	-
161.	-	-	Clor-naftalină (până la 3 Cl)	P	-	-	2	-
162.	-	-	Clor-naftalină (peste 3 Cl)	P	-	-	1	-
163.	100-00-5	202-809-6	Clor-nitrobenzen (p)	P	-	-	1	0,16
164.	600-25-9	209-990-0	Clor-(1)- nitropropan 1		50	10	75	15
165.	75-00-3	200-830-5	Cloroetan		268	100	-	-
166.	67-66-3	200-663-8	Cloroform (triclormetan)	pC	10	2	-	-
167.	-	-	Cloroformiat de metil și etil		-	-	4	-
168.	76-06-2	200-930-9	Cloropicrină		0,50	0,07	0,70	0,1
169.	126-99-8	204-818-0	Cloropren (2-clor-butadienă 1,3)	P	30	8	50	14
170.	2039-87-4	218-026-8	Clorstiren (mono)		50	9	100	18
171.	95-49-8	202-424-3	Clor toluen (o,p)		150	30	250	50
172.	75-36-5	200-865-6	Clorură de acetil		2	0,6	5	1,6
173.	107-05-1	203-457-6	Clorură de alil		3	1	6	2
174.	12125-02-9	235-186-4	Clorură de amoniu		5	-	10	-
175.	95-49-8	202-424-3	Clorură de benzil		5	1	8	1,5
176.	98-88-4	202-710-8	Clorură de benzoil		5	0,9	10	1,8
177.	108-77-0	203-614-9	Clorură de cianuril		-	-	1	0,1
178.	79-04-9	201-171-6	Clorură de cloracetil		10	2	20	4
179.	79-36-7	201-199-9	Clorură de dicloracetil		3	0,5	5	0,8
180.	75-00-3	200-830-5	Clorură de etil		1000	380	2000	760
181.	75-29-6	200-858-8	Clorură de izopropil		400	125	500	156
182.	563-52-0	209-252-8	Clorură de metalil		80	22	150	41
183.	74-87-3	200-817-4	Clorură de metil		75	36	150	72
184.	75-09-2	200-838-9	Clorura de metilen	pC	174	50	-	-
185.	-	-	Clorură de metil alchil-ciano-etil-benzil-amoniu		3	-	-	-
186.	10545-99-0	234-129-0	Clorură de sulf		2	0,4	5	0,9
187.	7791-25-5	232-245-6	Clorură de sulfuril		2	0,4	5	0,9
188.	7719-09-7	231-748-8	Clorură de tionil		15	3	25	5
189.	-	-	Clorură de tiofosforil		2	-	5	-
190.	75-01-4	200-831-0	Clorură de vinil	C	7,77	3	-	-
191.	7440-48-4	231-158-0	Cobalt (oxid de cobalt)		0,05	-	0,10	-
192.	-	-	Colofoniu (produși de descom-punere la lipirea cu fludor, exprimați în formaldehidă)		0,10	-	-	-
193.	1319-77-3	215-293-2	Cresoli (toți izomerii)	P	22	5	-	-
194.	-	-	Crom hexavalent și metalurgia cromului	C	0,05	-	-	-

195.	7440-47-3	231-157-5	Crom metalic, compuși anorganici ai cromului (II) și compuși anorganici ai cromului (insolubili) (III)		2	-	-	-
196.	-	-	Cromat de zinc	C	0,01	-	-	-
197.	-	-	Crom trivalent		0,50	-	-	-
198.	7440-50-8	231-159-6	Cupru (fumuri)		-	-	0,20	-
199.	7440-50-8	231-159-6	Cupru (pulberi)		0,50	-	1,50	-
200.	94-75-7	202-361-1	2,4 D (acid 2,4-diclor-fenoxiacetic)		5	-	10	-
201.	-	-	Dazomet (tetrahidro-3,5-dimetil-2H-1,3,5-triazin-2 tion)		-	-	3	-
202.	50-29-3	200-024-3	DDT (p,p'-diclorodifenil-tricloroetan)	P	0,50	-	1	-
203.	-	-	DDVP (o,o'-dimetil-2,2 diclordivinil-fosfat)	P	0,50	-	1,50	-
204.	17702-41-9	241-711-8	Decaboran	P	0,10	0,016	0,30	0,05
205.	493-02-7	207-771-4	Decalină (decahidro-naftalină)		100	18	200	36
206.	8022-00-2	-	Demeton-metil (metasistox)	P	0,20	-	0,50	-
207.	123-42-2	204-626-7	Diaceton-alcool (4-hidroxi-4 metil 2 pentanonă)		150	32	250	53
208.	124-02-7	204-671-2	Dialilamină		0,50	0,1	2	0,5
209.	999-21-3	213-658-0	Dialil maleat		1	-	5	-
210.	-	-	N,N Dialil-diclor-acetamidă		7	-	10	-
211.	334-88-3	206-382-7	Diazometan		0,30	0,2	0,50	0,3
212.	-	-	Dibenzil-diizocianat		-	-	0,20	-
213.	19287-45-7	242-940-6	Diboran		0,10	0,1	1	1
214.	106-93-4	203-444-5	Dibrometan (1,2)	pC	0,80	0,1	2	0,3
215.	111-92-2	203-921-8	Dibutilamină		-	-	6	1,1
216.	84-74-2	201-557-4	Dibutilftalat		2	-	5	-
217.	-	-	Diclorohexil-amină		100	-	150	-
218.	95-50-1	202-425-9	1,2 Diclorbenzen	P	122	20	306	50
219.	106-46-7	203-400-5	1,4 Diclorbenzen		122	20	306	50
220.	75-71-8	200-893-9	Diclor-difluor-metan (freon 12)		2000	494	3000	741
221.	75-34-3	200-863-5	1,1 Dicloroetan	P	412	100	-	-
222.	107-06-2	203-458-1	1,2 Diclor etan		30	7	70	17
223.	75-35-4	200-864-0	Dicloretilenă (1,1) (clorură de viniliden)		20	5	80	20
224.	540-59-0	208-750-2	Dicloretilenă (1,2)		200	50	300	76
225.	96-23-1	202-491-9	Diclorhidrină	P	5	0,95	10	1,9
226.	-	-	2,4 Diclor-6 (1 metil-1 cian-etil amino-S-triazină)		20	-	30	-
227.	75-43-4	200-869-8	Dicloromonofluor metan (Freon 21)		42	10	-	-
228.	594-72-9	209-854-0	Diclor 1,1-nitroetan 1		10	1,7	40	7
229.	-	-	Diclorpinacolonă (3,3,3-trimetil-1-diclor-2-butanonă)		-	-	10	-
230.	78-87-5	201-152-2	Dicloropropan (1,2)		100	22	200	44
231.	6607-45-0	-	Diclorstiren		30	-	50	-
232.	76-14-2	200-937-7	Diclor-tetrafluoro-etan (freon 114)		3000	430	5000	715
233.	60-57-1	200-484-5	Dieldrin (1,2,3,4,10, 10 hexaclor-6,7 epoxi-1,4,4a,5,6,7, 8,8a, octahidro-1,4,5,8, dimetano-naftalină)	P	0,20	-	0,25	-
234.	109-89-7	203-716-3	Dietilamina		15	5	30	10
235.	100-37-8	202-845-2	Dietilaminoetanol	P	30	6	45	9
236.	91-66-7	202-088-8	N,N dietilanilină		10	1,6	20	3,2
237.	-	-	N-Dietilciclohexilamină		15	-	30	-
238.	111-46-6	203-872-2	Dietilenglicol		500	115	800	184
239.	137-30-4	205-288-3	Dietilditiocarbamat de zinc		3	-	5	-
240.	111-40-0	203-865-4	Dietilentriamină	P	2	0,5	4	1
241.	122-39-4	204-539-4	Difenilamină		4	-	6	-
242.	80-10-4	201-251-0	Difenildiclorosilan		5	0,5	7	0,7
243.	25167-94-6	246-696-4	Difenilpropan		10	-	15	-
244.	-	-	Difil(dinil;dowtherm; amestec de difenil și oxid de difenil)		2	-	4	-
245.	75-61-6	200-885-5	Difluor-dibrom-metan		600	70	800	93
246.	2238-07-5	218-802-6	Diglicidil-eter (DGE)		0,50	0,1	2	0,4
247.	-	-	2,3 dihidro-2,2 dimetil - 7- clorobenzofuran		150	-	250	-
248.	-	-	2,3 dihidro-2,2 dimetil-7-hidrobenezofuran		80	-	150	-
249.	108-83-8	203-620-1	Diizobutil cetona		150	26	250	43
250.	-	-	Diizobutilenă		2000	-	2500	-
251.	-	-	Diizobutilfosfat		15	-	25	-
252.	-	-	Diizobutilfosfonat de metil-alkil-amoniu		50	-	100	-
253.	-	-	Diizopropil ditiiofosfat de sodiu (RC-331)		-	-	20	-
254.	-	-	Dimerol (ulei dieteric)		5	-	10	-
255.	127-19-5	204-826-4	N,N-dimetilacetamida	P	36	10	72	-
256.	124-40-3	204-697-4	Dimetilamina		3,8	2	9,4	-
257.	121-69-7	204-493-5	N,N-dimetilanilina	P	25	5	49	10
258.	103-83-3	203-149-1	Dimetil-benzil-amină		5	0,9	10	1,8
259.	-	-	Dimetil-diclor-fosfat		-	-	4	-
260.	75-78-5	200-901-0	Dimetil-diclorosilan		3	0,6	6	1,2
261.	-	-	Dimetilfosfit (distilat)		12	-	-	-
262.	1331-15-3	-	Dimetil-dioxan		50	-	100	-
263.	68-12-2	200-679-5	Dimetil-formamidă	P	10	3,3	30	10
264.	57-14-7	200-316-0	1,1 dimetilhidrazină	pC	0,70	0,3	1,50	0,6
265.	77-78-1	201-058-1	Dimetilsulfat	pC	0,50	0,1	-	-
266.	120-61-6	204-411-8	Dimetiltereftalat		2	-	5	-
267.	-	-	Dimetoat (regor; acid fosforoditioic)		7	-	10	-
268.	628-96-6	211-063-0	Dinitrat de etilen glicol	P	0,30	0,05	1	0,2

269.	528-29-0	208431-8	Dinitrobenzen	P	1	0,15	1,50	0,2
270.	-	-	Dinitrocapiilfenol		15	-	25	-
271.	97-00-7	202-551-4	Dinitroclorbenzen		-	-	1	-
272.	51-28-5	200-087-7	Dinitrofenol	P	0,70	-	1	-
273.	-	-	Dinitro-fluor-crezol		5	-	10	-
274.	534-52-1	208-601-1	4,6 Dinitro-o-crezol	P	0,05	-	0,20	-
275.	25321-14-6	246-836-1	Dinitrotoluen	P	1	-	1,50	-
276.	2813-95-8	220-560-1	Dinosebacetat		0,70	-	1	-
277.	88-85-7	201-861-7	Dinoseb (dibutox; 4,6 dinitro-2 sec-butilfenol)		0,10	-	0,50	-
278.	117-84-0	204-214-7	Diocitilfatat sec. (dietyl-hexil 2-ftalat)		2	0,1	5	0,3
279.	123-91-1	204-661-8	Dioxan (bioxid de dietilenă)	P	30	8	50	14
280.	142-84-7	205-565-9	Dipropilamină		1,70	0,4	2	0,5
281.	298-04-4	206-054-3	Disulfoton (o, o-dietyl-S-2-(etil-tio) etil-fosforoditionat)		0,10	-	0,20	-
282.	112-34-5	203-961-6	Dowanol DB (eter monobutitic al dietilenglicolului)		150	-	250	-
283.	72-20-8	200-775-7	Endrin (endo-endo-hexaclor 1,2,3,4,10,10-epoxi-6,7, octahidro-1,4,4a,5,6,7,8,8a-dimetano-,4,5,8,naftalină)	P	0,03	-	0,10	-
284.	106-89-8	203-439-8	Epiclorhidrină	pC P	1	0,2	4	0,8
285.	-	-	EPN (ester tionobenzen-fosforic de etil și p-nitrofenil)	P	0,50	-	1	-
286.	141-43-5	205-483-3	Etanolamină	P	2,5	1	7,6	3
287.	142-96-1	205-575-3	Eter butilic	P	30	6	50	9
288.	111-44-4	203-870-1	Eter diclor-dietyl 2,2[oxid de bis (2-cloretil)]	P	40	6,8	60	10,3
289.	-	-	Eter diclor-etil	P	-	-	50	-
290.	-	-	Eter dimetilic al acidului tereftalic		5	-	30	-
291.	60-29-7	200-467-2	Eter etilic		300	99	800	264
292.	563-12-2	209-242-3	Eter metilic al dipropilen glicolului	P	300	18	500	3
293.	-	-	Eter propilic (izopropileter)		1000	-	1500	-
294.	75-04-7	200-834-7	Etilamina		9,4	5	-	-
295.	100-41-4	202-849-4	Etilbenzen	P	442	100	884	200
296.	106-35-4	203-388-1	Etil-butil-cetonă (3-heptanonă)		150	32,17	250	5,3
297.	5459-93-8	226-733-8	N-etil-ciclohexil-amină		15	2,9	30	5,8
298.	-	-	Etilen-bis-ditiocarbamat de amoniu		20	-	25	-
299.	107-07-3	203-459-7	Etilenclorhidrină	P	3	1	10	3
300.	107-15-3	203-468-6	Etilendiamină		20	8	30	12
301.	107-21-1	203-473-3	Etilenglicol	P	52	20	104	40
302.	-	-	Etilen-glicol-bis-semiformiat		0,50	-	1	-
303.	151-56-4	205-793-9	Etilenimină	P	0,50	0,3	1	0,5
304.	-	-	Etilentiocloroformiat		-	-	0,50	-
305.	-	-	Etil-izobutil-ditioposfat de sodiu		-	-	20	-
306.	-	-	5-etilpiridin-2 carbinol acetat		-	-	2	-
307.	622-96-8	210-761-2	Etil toluen		300	61	400	81
308.	-	-	Etoxi-etil-metacrilat (β)		100	-	200	-
309.	101-84-8	202-981-2	Fenileter (vapori)		5	0,7	10	1,4
310.	-	-	Fenil-glicidil-eter (PGE)		6	1	10	2
311.	100-63-0	202-873-5	Fenil hidrazină	pC P	15	3	25	6
312.	98-86-2	202-708-7	Fenil-metil-cetonă (acetofenonă)		100	20	200	41
313.	135-88-6	205-223-9	N-Fenil-β-naftilamină Fp		-	-	-	-
314.	98-83-9	202-705-0	2- Fenilpropena		246	50	492	100
315.	106-50-3	203-404-7	Fenilendiamină (p)	P	0,07	0,01	0,10	0,02
316.	95-54-5	202-430-6	Fenilendiamină (o)		-	-	10	-
317.	-	-	Fenixol (ulei dielectric)		30	-	50	-
318.	108-95-2	203-632-7	Fenol	P	7,8	2	-	-
319.	-	-	Ferovanadiu (praf)		0,50	-	1,50	-
320.	7782-41-4	231-954-8	Fluor		1,58	1	3,16	2
321.	62-74-8	200-548-2	Fluor-acetat de sodiu	P	0,02	0,004	0,05	0,01
322.	7789-75-5	232-188-7	Fluorură de calciu		1	-	2	-
323.	2699-79-8	220-281-5	Fluorură de sulfuri		15	-	20	-
324.	-	-	Fluoruri anorganice		2,5	-	-	-
325.	50-00-0	200-001-8	Formaldehidă	pC	1,20	1	3	2
326.	75-12-7	200-842-0	Formamidă		20	11	30	16
327.	109-94-4	203-721-0	Formiat de etil		200	66	300	99
328.	107-31-3	203-481-7	Formiat de metil		150	61	250	102
329.	298-01-1	206-051-7	Fosdrin (2-carbometoxi-1-metil-vinil-dimetil-fosfat)		0,05	-	0,15	-
330.	-	-	N-Fosfo-metil-glicină		15	-	20	-
331.	7803-51-2	232-260-8	Fosfină		0,14	0,1	0,28	0,2
332.	7723-14-0	231-768-7	Fosfor (galben)		0,05	-	0,15	-
333.	75-44-5	200-870-3	Fosgen (clorură de carbonil)		0,08	0,02	0,4	0,1
334.	98-01-1	202-627-7	Furfurol		10	2,5	15	4
335.	-	-	Gaze lichefiate (conținând în principal C3-C4)		1200	-	1500	-
336.	7440-56-4 20619-16-3	231-161-6 243-922-0	Germaniu Oxid de germaniu		2	-	5	-
337.	556-52-5	209-128-3	Glicidol (2,3-epoxi-1-propanol)		50	16,5	100	33
338.	7440-58-6	231-166-4	Hafniu		0,20	-	0,50	-
339.	151-67-7	205-796-5	Halotan		400	50	-	-
340.	110-43-0	203-767-1	2- Heptanona	P	238	50	475	100
341.	106-35-4	203-388-1	Heptan-3-onă		95	20	-	-
342.	76-44-8	200-962-3	Heptaclor(heptaclor-1,4,5,6,7,8,8-tetra-hidro 3a,4,7,7a metano-4,7,inden)		0,30	-	0,60	-

343.	142-82-5	205-563-8	Heptan (n)			2085	500	-	-
344.	110-54-3	203-777-6	Hexan (n)			72	20	-	-
345.	118-74-1	204-273-9	Hexaclorbenzen			0,50	-	1	-
346.	87-68-3	201-765-5	Hexaclorbutadienă	pC	P	-	-	0,20	0,02
347.	58-89-9	200-401-2	Hexaclorciclohexan (HCH, lindan)		P	0,30	-	0,50	-
348.	67-72-1	200-666-4	Hexacloretan			5	0,5	8	0,8
349.	124-09-4	204-679-6	Hexametilen-diamină			1	-	5	-
350.	822-06-0	212-485-8	Hexametilen-diizocianat			0,05	0,007	1	0,14
351.	302-01-2	206-114-9	Hidrazină	pC	P	0,10	0,08	1	0,8
352.	-	-	Hidrocarburi alifactice (white spirit, solvent nafta, ligroină, petrol lampant, motorină)			700	-	1000	-
353.	-	-	Hidrocarburi policiclice aromatice (fracțiunea extractibilă în benzen)		C	0,20	-	-	-
354.	123-31-9	204-617-8	Hidrochinonă			1	-	2	-
355.	7784-42-1	232-066-3	Hidrogen arseniat			0,10	0,03	0,30	0,09
356.	-	-	Hidrogen fosforat			0,20	-	0,50	-
357.	7783-07-5	231-978-9	Hidrogen seleniat			0,07	0,02	0,17	0,05
358.	-	-	Hidrogen stibiat			0,20	-	0,50	-
359.	7783-06-4	231-977-3	Hidrogen sulfurat			10	7,2	15	10,8
360.	1310-73-2	215-185-5	Hidroxizi alcalini exprimați în hidroxid de sodiu			1	-	3	-
361.	1305-62-0	215-137-3	Hidroxid de calciu			5	-	-	-
362.	118-29-6	204-241-4	N-Hidroximetilftalimidă			50	7	75	10
363.	7580-67-8	231-484-3	Hidruura de litiu			0,025	-	-	-
364.	-	-	Idefil (2 etilhexil-sulfo-succinat de sodiu)			-	-	20	-
365.	7553-56-2	231-442-4	Iod			0,50	0,09	1	0,2
366.	74-88-4	200-819-5	Iodură de metil	pC	P	15	1,5	25	1
367.	624-83-9	210-866-3	Izocianat de metil		P	0,02	0,008	0,05	0,02
368.	78-59-1	201-126-0	Izoforonă (izoacetofenonă)			25	4,42	50	8
369.	-	-	Izooctină			500	-	700	-
370.	78-78-4	201-142-8	Izopentan			3000	1000	-	-
371.	75-31-0	200-860-9	Izopropilamină			7	3	10	4
372.	98-82-8	202-704-5	Izopropil-benzen (cumen)			100	20	150	30
373.	4016-14-2	223-672-9	Izopropil-glicidil-eter (IGE)			50	10,5	100	21
374.	-	-	Mancozeb (etilen-bis-ditiocarbamat de zinc și mangan)			100	-	200	-
375.	7439-96-5	231-105-1	Mangan			0,50	-	3	-
376.	121-75-5	204-497-7	Malation (o,o-dimetil-ditiofosfat-dietil-mercapto-succinat) P			7	-	10	-
377.	74-93-1 75-08-1	200-822-1 200-837-3	Mercaptan (metil și etil)			-	-	1	-
378.	7439-97-6	231-106-7	Mercur		P	0,05	-	0,15	-
379.	-	-	Mercur (compuși organici)		P	-	-	0,01	-
380.	108-67-8	203-604-4	Mesitilen			100	20	-	-
381.	80-62-6 97-63-2	201-297-1 202-597-5	Metacrilat de metil Metacrilat de etil			150	-	250	-
382.	97-88-1	202-615-1	Metacrilat de N-butil			150	25	250	43
383.	74-82-8	200-812-7	Metan			1200	1834	1500	2292
384.	74-99-7	200-828-4	Metil-acetilenă (propină)			1300	793	1500	915
385.	109-87-5	203-714-2	Metilal (dimetoximetan)			1500	531	2500	885
386.	74-89-5	200-820-0	Metilamină			10	8	15	12
387.	100-61-8	202-870-9	N-Metilanelină		P	7	16	10	2
388.	591-78-6	209-731-1	Metil-n-butil-cetonă (hexanonă)			200	49	300	80
389.	63-25-2	200-555-0	Metil-n-carbamat naftil (carbaril)			2	-	5	-
390.	109-86-4	203-713-7	Metil-celosolv (metoxi-2-etanol)		P	16	5,75	30	7
391.	108-87-2	203-624-3	Metil-ciclohexan			1200	211	1500	375
392.	25639-42-3	247-152-6	Metil-ciclohexanol			200	42	300	64
393.	583-60-8	209-513-6	Metil-ciclohexanonă		P	250	54,5	350	76
394.	-	-	N-metil-cloro-acetamidă			10	-	14	-
395.	-	-	Metil-clor-acrilat			2	-	5	-
396.	71-55-6	200-756-3	Metil-cloroform (1,1,1-triclorețan)			1000	183	1500	275
397.	101-14-4	202-918-9	4,4' metilen-bis-(2-clor-anilină)	pC	P	0,22	-	-	-
398.	-	-	Metilen-bis fenilizocianat (difenil metan 4,4 diizocianat)			-	-	0,15	-
399.	-	-	4,4 Metilen dianilină	pC	P	0,80	-	-	-
400.	78-93-3	201-159-0	Metil-etil-cetonă (2 butanonă)			200	63	300	101
401.	-	-	Metil-etil-parathion		P	0,05	-	0,10	-
402.	541-85-5	208-793-7	5 Metilheptan-3-onă			53	10	107	20
403.	110-12-3	203-737-8	5 Metilhexan-2-onă			95	20	-	-
404.	106-68-3	203-423-0	Metil-hexil-cetonă (octanonă)			100	19	200	38
405.	60-34--4	200-471-4	Metil-hidrazina	pC	P	0,37	-	-	-
406.	108-10-1	203-550-1	Metil-izobutil-cetonă			200	47	300	71
407.	-	-	Metil-izobutir-aldehidă			200	-	300	-
408.	-	-	Metil-izobutir-aldoximă			-	-	5	-
409.	141-79-7	205-502-5	Metil-izobutil-cetonă (oxid de mesitin)			50	12	100	24
410.	-	-	Metil H diclorsilan			3	-	5	-
411.	110-91-8	203-815-1	N-metilmorfolină			-	-	70	-
412.	950-35-6	-	Metil-parathion (tiofosfat de di-o-metil și o,p-nitro-fenil)		P	0,10	-	0,30	-
413.	108-10-1	203-550-1	4-Metilpentan-2-onă			83	20	208	50
414.	107-87-9	203-528-1	Metil-propil-cetonă (pentanonă)			250	71	300	85
415.	100-80-1	202-889-2	Metil-stiren			250	51	350	72

416.	-	-	Metil tiofonat (produs tehnic)		-	-	15	-
417.	-	-	Metil tiofonat (condiționat cu 70% substanță activă)		-	-	10	-
418.	-	-	Metil-triclorșilan		1	-	3	-
419.	-	-	Metil-vinil-diclorșilan		3	-	5	-
420.	-	-	Metil-vinil-siloxan	P	30	-	50	-
421.	-	-	Metoben[1,2-bis-(3 metoxicarbonil-2-tiouracil) benzen]		-	-	12	-
422.	72-43-5	200-779-9	Metoxiclor[1,1,1-triclor-2,2 di(p-metoxi-fenil)etan]	P	10	-	15	-
423.	107-98-2	203-539-1	1-Metoxipropan 2-ol	P	375	100	568	150
424.	111-77-3	203-906-6	2-(2-metoxietoxi)-etanol	P	50,1	10	-	-
425.	34590-94-8	252-104-2	(2-metoximetiletoxi)- propanol	P	308	50	-	-
426.	21087-64-9	244-209-7	Metribuzin		1	-	2	-
427.	7439-98-7	231-107-2	Molibden (compușii insolubili)		5	-	10	-
428.	7439-98-7	231-107-2	Molibden (compușii solubili)		2	-	65	-
429.	-	-	Molinat 8bis etil-N,N-hexametilen-tio-carbamat)		-	-	0,50	-
430.	107-11-9	203-463-9	Monoalilamină		0,10	-	0,40	-
431.	-	-	Monoclor acetat de metil		5	-	10	-
432.	96-24-2	202-492-4	Monoclorhidrină		5	-	10	-
433.	-	-	Monoeter-rezorcină		50	-	100	-
434.	107-10-8	203-462-3	Monopropilamină		0,50	0,2	0,80	0,3
435.	110-91-8	203-815-1	Morfolină (oxid de dietilen imidă; tetra-hidro 1,4-oxazină)		36	10	72	20
436.	10102-43-9	233-271-0	Monoxid de azot		30	24	-	-
437.	91-20-3	202-049-5	Naftalina		50	9,5	-	-
438.	91-59-8	202-080-4	β-naftilamină	C Fp P	-	-	-	-
439.	90-15-3	201-969-4	α-naftol	P	10	-	15	-
440.	7440-02-0	231-111-4	Nichel și compuși	C	0,10	-	0,50	-
441.	13463-39-3	236-669-2	Nichel carbonil		0,05	-	0,10	-
442.	54-11-5	200-193-3	Nicotina	P	0,5	-	-	-
443.	79-46-9	201-209-1	Nitrat de izopropil		20	5	25	7
444.	627-13-4	210-985-0	Nitrat de n-propil		75	17,5	100	23
445.	100-01-6	202-810-1	P-nitroanilină	P	3	0,5	5	0,9
446.	100-17-4	202-825-3	P-nitroanisol		5	-	10	-
447.	98-95-3	202-716-0	Nitrobenzen	P	1	0,2	-	-
448.	627-05-4	210-980-3	Nitrobutan		50	-	75	-
449.	92-93-3	202-204-7	4-nitrodifenil	pC Fp P	-	-	-	-
450.	79-24-3	201-188-9	Nitroetan		100	32	150	49
451.	100-12-9	202-821-1	Nitroetilbenzen	P	15	2	20	3
452.	55-63-0	200-240-8	Nitroglicerină (trinitroglicerină)	P	0,05	0,006	2	0,25
453.	75-52-5	200-876-6	Nitrometan		100	40	150	60
454.	86-57-7	201-684-5	α-nitronaftalină		20	3	30	4
455.	79-46-9	201-209-1	Nitropropan (2)	pC	-	-	30	4
456.	-	-	Nitrotoluen (o,m,p)	P	10	2	30	4
457.	62-75-9	200-549-8	N-Nitrozodimetilamină	pC Fp P	-	-	-	-
458.	152-16-9	205-801-0	Octametil-pirofosfor-amidă (pestox 3, schradan)	P	0,30	-	0,60	-
459.	-	-	Octaclor-dipropileter		10	-	15	-
460.	111-65-9	203-892-1	Octan		1500	322	2000	283
461.	12122-67-7	235-180-1	Onedin (zineb, etilen-bis-ditiocarbamat de zinc)		0,50	-	1	-
462.	-	-	Orafon (pirimifos-metil)		0,50	-	2	-
463.	50-35-1	200-031-1	Ordatox (imidan, fosmet)		1,50	-	3	-
464.	95-57-8	202-433-2	Ortoclorfenol		-	-	10	-
465.	-	-	Ortometalil-clorfenileter		200	-	300	-
466.	-	-	Ortometalil-oxifenileter		150	-	250	-
467.	10028-15-6	233-69-2	Ozon		0,10	0,05	0,20	0,1
468.	-	-	Oxichinolat de cupru (fungicid S)		5	-	9	-
469.	10025-87-3	233-046-7	Oxiclorură de fosfor		1	0,15	5	0,8
470.	1344-28-1	215-691-6	Oxid de aluminiu (aerosoli)		2	0,5	5	1,2
471.	1305-78-8	215-138-9	Oxid de calciu		2	-	5	-
472.	630-08-0	211-128-3	Oxid de carbon		20	17,5	30	26
473.	60-29-7	200-467-2	Oxid de dietil		308	100	616	200
474.	55720-99-5	-	Oxid de difenilclorat	P	0,50	-	1,50	-
475.	115-10-6	204-065-8	Oxid de dimetil		1920	1000	-	-
476.	75-21-8	200-849-9	Oxid de etilenă	pC	1,80	1	-	-
477.	1309-37-1	215-168-3	Oxid feric (fumuri, pulberi)		5	-	10	-
478.	1309-48-4	215-171-9	Oxid de magneziu (fumuri)		5	-	15	-
479.	75-56-9	200-879-2	Oxid de propilenă	pC	50	21	-	-
480.	1314-13-2	215-222-5	Oxid de zinc (fumuri)		5	-	10	-
481.	-	-	N-Oxid metil piridină		2	-	3	-
482.	10102-44-0	233-272-6	Oxizi de azot (exprimați în NO2)		5	3	8	4
483.	1306-19-0	215-146-2	Oxid de cadmiu (fumuri)		0,05	-	0,10	-
484.	8002-74-2	232-315-6	Parafină (fumuri)		2	-	6	-
485.	56-38-2	200-271-7	Parathion(o,o-dietil-o-p-nitrofenil-tiofosfat)	P	0,05	-	0,15	-
486.	19624-22-7	243-194-4	Pentaboran		0,05	0,01	0,15	0,05
487.	76-01-7	200-925-1	Pentaclor-etan		40	-	60	-
488.	87-86-5	201-778-6	Pentaclor-fenol	P	0,50	0,04	1	0,09
489.	-	-	Pentaclor-tiofenat de zinc		5	-	10	-
490.	10026-13-8	233-060-3	Pentaclorura de fosfor		1	-	-	-

491.	1314-56-3	215-236-1	Pentoxid de difosfor			1	-	-	-
492.	1314-80-3	215-242-4	Pentasulfura de fosfor			1	-	-	-
493.	109-66-0	203-692-4	Pentan			3000	1000	-	-
494.	-	-	Pentafluorură de sulf			0,10	-	0,30	-
495.	127-18-4	204-825-9	Percloretilenă (tetracloretilenă)			50	7	100	14
496.	75-70-7	-	Perclor-metil-mercaptan			0,5	-	1,5	-
497.	75-97-8	200-920-4	Pinacolonă (3,3-dimetil-2-butanonă)			60	15	150	37
498.	8003-34-7	232-319-8	Piretru			1	-	-	-
499.	110-86-1	203-809-9	Piridina			15	5	-	-
500.	110-85-0	203-808-3	Piperazina (pulbere, vapori)			0,1	-	0,3	-
501.	120-80-9	204-427-5	Pirocatechină (pirocatecol)			10	-	20	-
502.	7440-06-4	231-116-1	Platina (săruri solubile exprimate în Pt)			1	-	-	-
503.	7439-92-1	231-100-4	Inorganic lead and its ionic compounds (besides of PbS)			0,05	-	0,10	-
504.	-	-	Polidimetil-siloxan			60	-	80	-
505.	-	-	Propafen[2,4-(6-clor-2-chinoxalinoxi)-fenoxi-propionat]			30	-	50	-
506.	74-98-6	200-827-9	Propan			1400	778	1800	1000
507.	-	-	Propilenimină	pC	P	3	-	5	-
508.	-	-	Propil-glicidil-eter			100	-	200	-
509.	57-57-8	200-340-1	Propiolactonă β	pC		1,50	-	-	-
510.	107-12-0	203-464-4	Propionitril (cianură de etil)			0,10	0,04	0,30	0,13
511.	108-46-3	203-585-2	Resorcinol		P	45	10	-	-
512.	-	-	Rodamină de metil			70	-	-	-
513.	7782-49-2	231-957-4	Seleniu și compuși exprimați în Se			0,10	-	0,20	-
514.	78-10-4	201-083-8	Silicat de etil			100	-	200	-
515.	27137-41-3	248-253-8	Silvan (metil furan)			10	-	20	-
516.	-	-	Sistox (demeton; o,o-dietyl-o,2 etil-mercapto-etil-tionofosfat)		P	0,05	-	0,15	-
517.	-	-	Solvent nafta (gudron de ulei)		P	100	-	200	-
518.	7440-31-5	231-141-8	Staniu (compuși anorganici exprimați ca Sn)			2	-	-	-
519.	7440-31-5	231-141-8	Staniu (compuși organici)			0,05	-	0,15	-
520.	100-42-5	202-851-5	Stiren (monomer feniletilen)			50	12	150	35
521.	7704-34-9	231-722-6	Sulf (pulbere)			-	-	15	-
522.	7773-06-0	231-871-7	Sulfamat de amoniu			10	-	15	-
523.	75-15-0	200-843-6	Sulfură de carbon		P	10	3	20	6
524.	1314-87-0	215-246-6	Sulfură de plumb			0,50	-	1,50	-
525.	93-76-5	202-273-3	2,4,5T[acid(triclor-2,4,5 fenoxi-acetic)]			5	-	10	-
526.	7440-25-7	231-135-5	Tantal și oxid de tantal			5	-	10	-
527.	3689-24-5	222-995-2	TEDP sau sulfotep (tetraetil-ditio-pirofosfat)		P	0,10	-	0,30	-
528.	13494-80-9	236-813-4	Telur			0,05	-	0,15	-
529.	107-49-3	203-495-3	TEPP (tetraetil-pirofosfat)		P	0,05	-	0,10	-
530.	8006-64-2	232-350-7	Terebentină (esență de)		P	400	-	500	-
531.	79-27-6	201-191-5	Tetrabromură de acetilenă			10	-	15	-
532.	76-11-9	200-934-0	Tetraclor (1,1,2,2)(1,1,1,2)-difluor (1,2)(2,2)etan			3000	303	4000	404
533.	79-34-5	201-197-8	Tetraclor etan (1,1,2,2)(1,1,1,2)		P	20	3	30	4
534.	56-23-5	200-262-8	Tetraclorură de carbon	pC	P	30	5	50	8
535.	7550-45-0	231-441-9	Tetraclorură de titan			1	-	3	-
536.	-	-	Tetraetil și trietil plumb		P	0,01	-	0,03	-
537.	109-99-9	203-726-8	Tetrahidrofuran		P	150	50	300	100
538.	119-64-2	204-340-2	Tetralină (tetrahidronaftalină)			100	-	200	-
539.	509-14-8	208-094-7	Tetranitrometan			3	0,4	6	0,8
540.	479-45-8	207-531-9	Tetrit (2,4,6 trinitro-fenil-metil-nitramină)		P	1	-	1,50	-
541.	20816-12-0	244-058-7	Tetraoxid de osmiu			0,001	-	0,003	-
542.	7440-28-0	231-138-1	Thaliu (compuși solubili)		P	-	-	0,050	-
543.	137-26-8	205-286-2	Thiram (disulfură de tetrametil tiuram)			2	-	5	-
544.	7440-29-1	231-139-7	Thoriu			0,020	-	0,050	-
545.	-	-	Tiopentanol			5	-	15	-
546.	7440-32-6 13463-67-7	231-142-3 236-675-5	Titan Oxid de titan			10	-	15	-
547.	-	-	Tiotriclorură de fosfor			-	-	5	-
548.	108-88-3	203-625-9	Toluen		P	192	50	384	100
549.	119-93-7	204-358-0	o-Tolidină	pC	Fp	P	-	-	-
550.	95-53-4	202-429-0	o-Toluidină	pC		P	3	5	-
551.	106-49-0	203-403-1	p-Toluidină	pC		P	3	5	-
552.	95-80-7	202-453-1	Toluilendiamină			5	1	10	2
553.	584-84-9	209-544-5	Toluilen-di-izocianat (2,4)			0,07	0,009	0,15	0,02
554.	8001-35-2	232-283-3	Toxafen (camfenclor 60%Cl)		P	0,30	-	0,50	-
555.	12654-97-6	235-754-1	Triadimefon (triazin)			3	-	5	-
556.	102-70-5	203-048-2	Trialil-amină		P	1	-	4	-
557.	102-82-9	203-058-7	Tributil-amină			-	-	20	3
558.	120-82-1	204-428-0	1,2,4-triclorbenzen		P	15,1	2	37,8	5
559.	71-55-6	200-756-3	1,1,1-Tricloretran			555	100	1110	200
560.	52-68-6	200-149-3	Triclorfon			1	-	2	-
561.	79-01-6	201-167-4	Tricloretilenă			100	18,5	150	28
562.	-	-	Triclorfenolat de cupru			0,50	-	1,50	-
563.	75-69-4	200-892-3	Triclor-fluor-metan (freon 11)			4000	625	5000	781
564.	25735-29-9	247-216-3	Triclor-propan		P	100	16,5	150	25
565.	76-13-1	200-936-1	Triclor (1,1,2) trifluor (1,2,2) etan (freon 113)			5000	-	7000	-

566.	12002-48-1	234-413-4	Triclorură de benzil (fenilcloroform)		2	0,3	5	0,7
567.	7719-12-2	231-749-3	Triclorură de fosfor		2	-	5	-
568.	-	-	Tricrezilfosfat (o)	P	0,10	-	2	-
569.	121-44-8	204-469-4	Trietilamină	P	8,4	2	12,6	3
570.	112-27-6	203-953-2	Trietilen-glicol		700	114	1000	163
571.	112-24-3	203-950-6	Trietilen-tetramină		10	1	20	3
572.	115-86-6	204-112-2	Trifenilfosfat		2	-	4	-
573.	75-63-8	200-887-6	Trifluoro-mono-brom-metan		5000		7000	
574.	-	-	Trifluorură de azot		20	-	30	-
575.	7637-07-2	231-569-5	Trifluorură de bor		-	-	3	-
576.	7790-91-2	232-230-4	Trifluorură de clor		-	-	0,40	-
577.	75-50-3	200-875-0	Trimetil-amină		1		2	1
578.	526-73-8	208-394-8	1,2,3-trimetilbenzen		100	20	-	-
579.	95-63-6	202-436-9	1,2,4-trimetilbenzen		100	20	-	-
580.	-	-	Trimetil-clor-silan		3	-	10	-
581.	121-82-4	204-500-1	Trimetilen-trinitramină (hexogen)	P	2	-	6	-
582.	118-96-7	204-289-6	Trinitrotoluen (TNT)		0,50	-	1	-
583.	102-69-2	203-047-7	Tripropilamină		3	0,5	4	0,7
584.	7440-33-7	231-143-9	Tungsten; carbură de tungsten		2	-	6	-
585.	-	-	Ulei polidimetil-siloxanic	P	200	-	300	-
586.	-	-	Uleiuri minerale		5	-	10	-
587.	7440-62-2	231-171-1	Vanadiu (fumuri de V2O5)		0,05	-	0,10	-
588.	7440-62-2	231-171-1	Vanadiu (praf de V2O5)		0,10	-	-	-
589.	25013-15-4	246-562-2	Vinil toluen		300	-	400	-
590.	81-81-2	201-377-6	Warfarină sau Cumafen (3-(α -fenil- β acetil-etil-4 hidroxicumarină)	P	0,10	-	0,30	-
591.	1330-20-7	215-535-7	Xilen (izomeri)	P	221	50	442	100
592.	1300-71-6	215-089-3	2,6 Xilenol		15	-	20	-
593.	1300-73-8	215-091-4	Xilidină	P	1	-	2	-
594.	7440-67-7	231-176-9	Zirconiu și compuși (exprimați în Zr)		5	-	10	-

*) Substances with pC indicative are potentially carcinogens and/or mutagens and substances with C have carcinogenic and/or mutagenic action. For these, but not only, the classification as carcinogen and/or mutagen substance has to be verified according to carcinogen, respectively, mutagen definition of the Government Decision no. 1093/2006 concerning the protection of workers from the risks related to exposure to carcinogens and mutagens at work, for the application of art.3 of this Government Decision.

Substances with Fp indicative are very dangerous, exposure to this substances being practically excluded.

Substances with P (skin) indicative can get in the organism by skin or intact mucosa. P indicative does not refer to substances with irritating local action only.

ANNEX no.2

BIOLOGICAL LIMIT VALUES

1. Lead and its ionic compounds

1.1. Biological monitoring must include measuring the blood-lead level (PbB) using absorption spectrometry or a method giving equivalent results.

The binding biological limit value are indicated in part B of this annex, to the point 43:

The biological limit value 70 $\mu\text{g Pb}/100\text{ ml blood}$ it is a restrictive value.

1.2 The medical surveillance needs special measures if:

- exposure to a concentration of lead in air is greater than $0,075\text{ mg}/\text{m}^3$, calculated as a time-weighted average over 40 hours per week, or
- a blood-lead level greater than $40\text{ }\mu\text{g Pb}/100\text{ ml blood}$ is measured in individual workers.

1.3 Practical guidelines for biological monitoring and medical surveillance must be developed in accordance with art. 43 and 44. These must include recommendations regarding biological indicators (e.g. ALAU, ZPP, ALAD) and biological monitoring strategies.

2. VALORI LIMITĂ BIOLOGICE OBLIGATORII (VLBO)

Nr. crt.	Substanța	Indicator biologic	Material biologic	Momentul recoltării	VLBO
1.	Acetona	Acetona	urină	sfârșit schimb	50 mg/l
2.	Alcool izopropilic	Acetona	urină	sfârșit schimb	50mg/l
3.	Alcool metilic	Metanol	urină	sfârșit schimb	6 mg/l
4.	Aluminiu	Aluminiu	urină	sfârșit schimb	200 μg /l
5.	Aldrin	Aldrin	sânge	sfârșit schimb	10 μg /l
6.	Anilina	p-amino-fenol methemo-globina	urină sânge	sfârșit schimb sfârșit schimb	10μg /l 1,5% Hb totală
7.	Antimoniu (Stibiu)	Antimoniu	urină	sfârșit schimb	1mg/l
8.	Arsen și AsH ₃	Arsen	urină păr	sfârșit săptămână sfârșit săptămână	50μg/gC 0,5mg/100g
9.	Benzen	Acid S-fenil- mercapturic Fenoli totali	urină urină	sfârșit schimb sfârșit schimb	25μg/gC 50mg/l
10.	Benzidina	Benzidina	urină		0
11.	Beriliu	Beriliu	urină	sfârșit schimb	2μg/l
12.	Bromura de metil	Brom	sânge	sfârșit schimb	2mg/100 ml
13.	Cadmium și compuși anorganici	Cadmium Proteine	urină sânge urină	sfârșit schimb sfârșit schimb sfârșit schimb	5μg/gC 5μg/l 2 mg/l
14.	Clorbenzen	4-clorocatechol total p-clorfenol total	urină urină	schimb sfârșit schimb	150 mg/gC 25 mg/gC
15.	Clorura de metilen	COHb Clorura de metilen	sânge sânge	sfârșit schimb sfârșit schimb	5 % Hb totală 1 mg/l
16.	Compușii cian (acid cianhidric, cianuri și cianogen)	Tiocianați	urină	sfârșit schimb	30mg/l
17.	Crom	Crom	urină urină	în timpul lucrului sfârșit săptămână	10 μg/gC 30 μg/gC
18.	Cobalt	Cobalt	urină sânge	sfârșit săptămână sfârșit săptămână	15μg/l 1μg/l
19.	DDT	DDT	sânge	sfârșit schimb	20μg/100 ml
20.	Dieldrin	Dieldrin	sânge	sfârșit schimb	10μg/100 ml
21.	1,4-diclor benzen	2,5 diclorfenol total	urină	sfârșit schimb	150 μg/gC
22.	N,N-dimetil acetamida	N-metil acetamida	urină	sfârșit săptămână	30μg/gC
23.	N,N-dimetil-formamida	Metil - formamida	urină	sfârșit schimb	15 mg/l
24.	Etilbenzen	Acid mandelic	urină	sfârșit săptămână	1,5 g/gC
25.	Fenol	Fenol total	urină	sfârșit schimb	50 mg/l
26.	Fluor - compuși	Fluor	urină	sfârșit schimb	5 mg/gC
27.	Halotan	Acid trifluoro-	sânge	sfârșit schimb	2,5 mg/l

Nr. crt.	Substanța	Indicator biologic	Material biologic	Momentul recoltării	VLBO
	(2-brom-2-clor-1,1,1 trifluoretan)	acetic			
28.	Hexaclorbenzen	Hexaclorbenzen	ser	sfârșit schimb	150μg/l
29.	N-hexan	2,5 hexandionă	urină	sfârșit schimb	5 mg/gC
30.	Hidrazina	Hidrazina	urină	sfârșit schimb	200μg/gC
31.	Lindan	γ hexaclor ciclohexan	sânge	sfârșit schimb	20μg/l
32.	Mangan	Mangan	urină	sfârșit schimb	10μg/l
33.	Mercur și compuși	Mercur	sânge	sfârșit schimb	10 μg/l
			urină	începutul schimbului următor	35 μg/gC
34.	Metiletilcetona	Metiletilcetonă	urină	sfârșit schimb	2 mg/l
35.	Metilcloroform	Tricloretoanol total	urină	sfârșit săptămână	30 mg/l
		Metilcloroform	sânge	sfârșit săptămână	1 mg/l
		Acid tricloracetic	sânge	sfârșit schimb	550μg/l
			urină	sfârșit săptămână	10 mg/l
36.	Nichel	Nichel	urină	sfârșit schimb	15 μg/l
37.	Nichel carbonil	COHb	sânge	sfârșit schimb	5%Hb totală
		Nichel	urină	sfârșit schimb	15 μg/l
38.	Nitrobenzen	p-Nitrofenol total	urină	sfârșit schimb	5 mg/gC
		Methemoglo-bina	sânge	sfârșit schimb	1,5%Hb totală
39.	Oxid de carbon	COHb	sânge	sfârșit schimb	5% Hb
40.	Parathion	p-Nitrofenol total	urină	sfârșit schimb	500μ g/l
		Activitate colinesterazică	sânge	înaintea schimbului	scădere > 30%
41.	Pentaclorfenol	Pentaclorfenol	urină	sfârșit schimb	2 mg/gC
42.	Pesticide organofosforice	Activitate colinesterazică	sânge	-	scadere > 30%
43.	Plumb	Plumb	urină	sfârșit schimb	150 μg/l
			sânge	sfârșit schimb	40 μg/100 ml
			păr	sfârșit schimb	3μg/cm
		ALA-u	urină	sfârșit schimb	10mg/l
		CP-u	urină	sfârșit schimb	300μg/l
		PEL	sânge	sfârșit schimb	100μg/100ml eritrocite
44.	Stiren	Acid mandelic	urină	sfârșit schimb	800 mg/gC
			urină	începutul schimbului următor	300 mg/gC
		Acid fenilglioaxalic	urină	sfârșit schimb	100 mg/gC
			urină	începutul schimbului următor	100 mg/gC
		Stiren	sânge	sfârșit schimb	0,55 mg/l
				începutul schimbului următor	

Nr. crt.	Substanța	Indicator biologic	Material biologic	Momentul recoltării	VLBO
			sânge		0,02mg/l
45.	Sulfura de carbon	Acid 2-tio-tiazolidin 4 carboxilic Testul iodazida	urină urină	sfârșit schimb sfârșit schimb	4 mg/l E = 6,5
46.	Telur	Telur	urină	sfârșit schimb	20 μg/l
47.	Tetracloretilena Tricloretilena	Triclorețanol + acid tricloracetic	urină	sfârșit săptămână	300 mg/gC
48.	Tetraetil de plumb	Plumb dietil Plumb total	urină urină	sfârșit schimb sfârșit schimb	25μg/l 50μg/l
49.	Toluen	Acid hipuric o-cresol	urină urină	sfârșit schimb sfârșit schimb	2 g/l 3 mg/l
50.	Uraniu	Uraniu	urină	sfârșit schimb	10μg/l
51.	Vanadiu	Vanadiu	urină	sfârșit schimb	20μg/l
52.	Xilen	Acid metilhipuric	urină	sfârșit schimb	3 g/l

C – creatinină

ALA-u – acid delta-amino levulinic urinar

CP-u – coproporfirine urinare

PEL – protoporfirine eritrocitare

ANNEX 3

PROHIBITIONS

Are prohibited: the production, manufacture or use at work of the chemical agents set out below, also the activities which are involving them. The prohibition does not apply if the chemical agent is present in another chemical agent, or as a constituent of waste, provided that its individual concentration therein is less than the 0,1% limit value measured in weigh percents.

Chemical Agents

Name of agent

CAS No

benzene	71-43-2
2-naphthylamine and its salts	91-59-8
4-aminodiphenyl and its salts	92-67-1
Benzidine and its salts	92-87-5
4-nitrodiphenyl:	92-93-3
3,4 benzpiren	50-32-8

bis-cloro-metil-eter
N-phenyl β naphthylamine:
N-nitrozodimethylamine
O-tolidine

542-88-1
135-88-6
62-75-9
119-93-7