

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 the carcinogenic and mutagenic substances present in the workplace, the provisions of this decision shall be applied without prejudice to the more favourable provisions regarding the safety and health of workers at work and/or the specific provisions of GD no. 1093/2006 establishing the minimum safety and health requirements for the protection of workers from risks related to the exposure to carcinogens or mutagens agents 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 amendments by the Law no 788/2001; the Government Decision no. 323/2000 regarding competence, 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 routes regarding the transport of dangerous goods by rail, Order of the minister of

transports, constructions and tourism no. 2224/2004 establishing some rules 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 communautaire sistem 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 liquid 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 the classification as dangerous in any of the physical hazard classes and/or for health requirements of Regulation (EC) no.

1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing the Directives 67/548/EEC and 1999/45/EC, and amending the Regulation (EC) nr. 1907/2006, published in the Official Journal of the European Union, series L, no. 353 of 31 December 2008, as amended by its modifications thereto, referred to as Regulation no. 1272/2008, whether the chemical agent in question is classified or not in accordance with the Regulation;

b) any chemical agent which, whilst not meeting the criteria for classification as dangerous in accordance with subparagraph a) may, because of its physico-chemical, chemical or toxicological properties and of the way it is used or is present in the workplace, present a risk for safety and health of the workers, including any chemical agent assigned an occupational exposure limit value according to section 3 of this chapter.”

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.

9. 'worker's breathing area` - hemispherical shaped area located in front of the worker's face, having a radius of 0.3 m, measured from the middle of an imaginary line connecting his ears;

10. 'inhalable fraction` - the fraction of the total mass of particles in suspension in the air that is inhaled through the nose and mouth, particles with an aerodynamic diameter under 100 µm;

11. 'respirable fraction` = the fraction of the mass of the inhaled particles that penetrates up to the non-ciliated airways - alveoli, particles with an aerodynamic diameter under 15 µm.

Art. 6. Ministry of Labour, Family, Social Support and Elderly and 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) National mandatory limit-values for occupational exposure to chemicals, as provided in paragraphs (1) and (2), reflect the utility factors to ensure the workers' health at work and are provided in Annex 1 or 4, as appropriate. The limit-values determined under Article 44 and the relevant scientific and technical data shall be communicated to the Ministry of Labour, Family, Social Support and Elderly.

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 Ministry of Labour, Family, Social Support and Elderly.

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, Family, Social Support and Elderly 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 ensure that the risk to the workers' health and safety in the work process that is induced by a hazardous chemical shall be eliminated or minimized. It is mandatory to observe the limit values for occupational exposure to chemicals in the work

environment, as set out in Annexes 1 and 4, as case may be, namely the biological limit values tolerable by workers, as laid down in Annex 2, while maintaining concentrations of chemicals at the lowest possible level.

(3) The limit values laid down in paragraph 2 are the maximum accepted values.

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.

(1[^]1) The employer shall keep an/a inventory/register of hazardous chemicals handled in the company that contains references to safety data sheets for the hazardous substances and mixtures in question.

(2) When hazardous chemicals are found in the workplace, the employer shall assess any risk relating to the workers' safety and health arising from the presence of the chemicals in question, taking into account:

a) their hazardous properties,

b) the information on safety and health are provided by the supplier, for example, the appropriate safety data sheet in accordance with Regulation (EC) no. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending the Directive 1999/45/EC and repealing the Regulation (EEC) no. 793/93 of the Council, Regulation (EC) no. 1488/94 of the Commission and the Directive 76/769/EEC of the Council and the Directives 91/155/EEC, 93/67/EC, 93/105/EC and 2000/21/EC of the Commission, as published in the Official Journal the European Union, series L 396 of 30 December 2006, as amended by the modifications thereto, referred to as Regulation no. 1907/2006;

c) level, type and duration of exposure, considering all possible pathways 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 be in possession of a risk assessment in accordance with Law no. 319/2006, Article 12, and identify what measures should be taken according to Articles 11 and 17-24 of this Decision.

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) When applying the provisions of Article 19 substitution is usually done, by which the employer avoids the use of a dangerous chemical and replaces it with a chemical or process which, when used, is not dangerous or is less dangerous to the workers' safety and health, as 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) Measures laid down in paragraph (1) shall be taken, in order of priority, in particular, for:

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(1). 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 the safety data sheet provided by the supplier in accordance with the provisions of Article 31 of the Regulation no. 1907/2006

(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. (1) Employers may request, preferably from the producer or supplier, all information on hazardous chemical agents which are necessary for applying the Article 12, to the extent that neither Regulation 1907/2006 nor Regulation no. 1272/2008 does not include any obligation to provide information.

(2) Persons to whom was requested the information provisioned in paragraph (1) have the obligation to provide them, upon request, with the exception of the data considered confidential, according to the law.

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.~~

repealed

~~**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 organizational measures taken to prevent the exposure of workers.~~

repealed

Art.37. Ministry of Labour, Family, Social Support and Elderly, together with Ministry of 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 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 fulfilled:

- a) the exposure of a worker to a hazardous chemical agent is such that a link between an identifiable disease or an adverse effect of the exposure on the health and that exposure may be established, 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 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) Medical records concerning the health status and exposure sheets shall contain the conclusions of the clinical and specialized examination of health status and all representative data obtained by monitoring that person's exposure to the hazardous chemical agent.

(2) Biological monitoring and related requirements may form part of health surveillance.

(3) Medical records on the health status and exposure sheets shall be kept at the occupational medicine structure during the execution of the contract with the employer, in a suitable form to allow their further consultation, taking into account the confidentiality-related requirement.

(4) Copies of the appropriate records shall be supplied to the territorial and Bucharest's public health authority, on request.

(5) The individual worker shall, at his request, have access to the health and exposure records relating to him personally.

(6) Employers in bankruptcy procedure shall notify the occupational medicine structure they had a contract with for the workers' health surveillance.

(7) When changing the job to another undertaking, the worker will be handed, upon request, copies of his medical record and of the fiche for identifying occupational risk factors, to be handed over to the occupational medicine structure of that undertaking.

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 continuous health surveillance and provide review of the health status of any other worker who has been similarly exposed. In such cases, the physician specialist in occupational medicine or the public health directorate involved may propose that the exposed persons undergo a medical examination.

Art. 43. Ministry of Labour, Family, Social Support and Elderly and the Ministry of 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 Health and Ministry of Labour, Family, Social Support an Elderly, 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, family, social support and and elderly and minister of 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. Ministry of Labour, Family, Social Support an Elderly together with the Minister of Health assure drawing up of the regulations and administrative provisions necessary to comply with this Decision.

Art. 46. - (1) Ministry of Labour, Family, Social Support an Elderly 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) Ministry of Labour, Family, Social Support an Elderly, 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 4 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 ⁽¹⁾	EC ⁽²⁾ (EINECS)	Name of agent	Acțiunea cutanată ⁽³⁾	Maximum limit value				Mentions ⁽⁸⁾
					8 hours ⁽⁴⁾		Termen scurt ⁽⁵⁾ (15min)		
					mg/m ³ ⁽⁶⁾	ppm ⁽⁷⁾	mg/m ³ ⁽⁶⁾	ppm ⁽⁷⁾	
1.	75-07-0	200-836-8	Acetaldehidă / Etanal		90	50	180	100	
2.	140-11-4	205-399-7	Acetat de benzil		50	8	80	13	
3.	112-07-2	203-933-3	Acetat de 2-Butoxietil	P	133	20	333	50	Dir.2000/39
4.	123-86-4	204-658-1	Acetat de n-butil		715	150	950	200	
5.	108-84-9	203-621-7	Acetat de 1,3 dimetilbutil / Acetat de hexil secundar		150	25	250	42	
6.	625-16-1	-	Acetat de 1,1 dimetilpropil / Acetat de terț pentil		270	50	540	100	Dir.2000/39 Amilacetat, terț
7.	141-78-6	205-500-4	Acetat de etil		400	111	500	139	
8.	111-15-9	203-839-2	Acetat de 2-etoxietil / Acetat de etilglicol	P	11	2	-	-	R1B Dir.2009/161
9.	110-19-0	203-745-1	Acetat de izobutil		715	150	950	200	
10.	123-92-2	204-662-3	Acetat de izopentil		270	50	540	100	Dir.2000/39
11.	108-21-4	203-561-1	Acetat de izopropil		400	96	600	144	
12.	79-20-9	201-185-2	Acetat de metil		200	63	600	188	
13.	626-38-0	210-946-8	Acetat de 1-metilbutil		270	50	540	100	Dir.2000/39
14.	110-49-6	203-772-9	Acetat de 2-metoxietil	P	4,8	1,0	-	-	R1B Dir.2009/161
15.	108-65-6	203-603-9	Acetat de 2-metoxi-1-metiletil	P	275	50	550	100	Dir.2000/39
16.	628-63-7	211-047-3	Acetat de pentil		270	50	540	100	Dir.2000/39
17.	620-11-1	-	Acetat de 3-pentil		270	50	540	100	Dir.2000/39
18.	109-60-4	203-686-1	Acetat de propil		400	96	600	144	
19.	108-05-4	203-545-4	Acetat de vinil		17,6	5	35,2	10	Dir.2009/161
20.	141-97-9	205-516-1	Aceto-acetat de etil / Acetil-acetat de etil		100	19	200	38	
21.	67-64-1	200-662-2	Acetonă		1210	500	-	-	Dir.2000/39
22.	64-19-7	200-580-7	Acid acetic		25	10	-	-	Dir.91/322
23.	79-10-7	201-177-9	Acid acrilic		5	1,7	10	3,4	
24.	10035-10-6	233-113-0	Acid bromhidric / Bromură de hidrogen		-	-	6,7	2	Dir.2000/39
25.	107-92-6	203-532-3	Acid butiric		15	4	30	8	
26.	74-90-8	200-821-6	Acid cianhidric	P	0,3	0,3	1	1	
27.	79-11-8	201-178-4	Acid cloracetic		-	-	1	-	
28.	7647-01-0	231-595-7	Acid clorhidric / Clorură de hidrogen		8	5	15	10	Dir.2000/39
29.	598-78-7	209-952-3	Acid 2-cloropropionic		1	0,2	2	0,4	
30.	75-99-0	200-923-0	Acid 2,2-dicloropropionic		2	0,3	10	1,7	
31.	756-80-9	212-053-9	Acid O,O dimetilditiofosforic		10	-	15	-	
32.	7664-39-3	231-634-8	Acid fluorhidric / Fluorură de hidrogen		1,5	1,8	2,5	3	Dir.2000/39
33.	64-18-6	200-579-1	Acid formic		9	5	-	-	Dir.2006/15
34.	7782-79-8	231-965-8	Acid hidrazoic		1	-	2	-	
35.	79-41-4	201-204-4	Acid metacrilic		30	8,5	45	13	
36.	7697-37-2	231-714-2	Acid nitric / Acid azotic		-	-	2,6	1	Dir.2006/15
37.	7664-38-2	231-633-2	Acid ortofosforic		1	-	2	-	Dir.2000/39
38.	144-62-7	205-634-3	Acid oxalic		1	-	-	-	Dir.2006/15
39.	88-89-1	201-865-9	Acid picric		0,1	-	-	-	Dir.91/322
40.	79-09-4	201-176-3	Acid propionic		31	10	62	20	Dir.2000/39
41.	7664-93-9	231-639-5	Acid sulfuric ⁽⁹⁾		0,05	-	-	-	Particule lichide pulverizate ⁽¹⁰⁾ Dir.2009/161
42.	107-02-8	203-453-4	Acrilaldehidă / Acroleină		0,3	0,13	0,5	0,22	
43.	79-06-1	201-173-7	Acrilamidă	P	0,03	-	-	-	C1B; M1B; R2
44.	141-32-2	205-480-7	Acrilat de n-butil		11	2	53	10	Dir.2000/39
45.	140-88-5	205-438-8	Acrilat de etil / Etilacrilat		21	5	42	10	Dir.2009/161
46.	96-33-3	202-500-6	Acrilat de metil / Metilacrilat		18	5	36	10	Dir.2009/161
47.	107-13-1	203-466-5	Acrilonitril	P	5	2,3	10	4,6	C1B
48.	15972-60-8	240-110-8	Alaclor / 2-Cloro-2',6'-dietil-N-		20	-	30	-	

			(metoximetil) acetanilidă						
49.	107-18-6	203-470-7	Alcool alilic	P	4,8	2	12,1	5	Dir.2000/39
50.	64-17-5	200-578-6	Alcool etilic / Etanol		1900	1000	9500	5000	
51.	98-00-0	202-626-1	Alcool furfurilic		50	12,5	100	25	
52.	111-70-6	203-897-9	Alcool heptilic / 1-Heptanol		150	31,5	250	53	
53.	111-27-3	203-852-3	Alcool hexilic / 1-Hexanol		150	36	250	60	
54.	123-96-6	204-667-0	Alcool izooctilic / 2- Octanol	P	150	28	250	47	
55.	67-63-0	200-661-7	Alcool izopropilic / 2- Propanol		200	81	500	203	
56.	71-23-8	200-746-9	Alcool propilic / 1- Propanol		200	81	500	203	
57.	123-72-8	204-646-6	Aldehida butirică		-	-	25	9	
58.	107-20-0	203-472-8	Aldehida cloracetică		-	-	3	1	
59.	123-73-9	204-647-1	Aldehida crotonică / 2- Butenal		-	-	25	9	
60.	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	0,2	-	0,25	-	
61.	107-11-9	203-463-9	Alilamină		0,1	-	0,4	-	
62.	-	-	Aluminiu și oxizi		3	-	10	-	(Pulberi)
63.	-	-	Aluminiu și oxizi		1	-	3	-	(Fumuri)
64.	92-67-1	202-177-1	4 aminodifenil		-	-	-	-	Fp
65.	141-43-5	205-483-3	2-aminoetanol / Etanolamină	P	2,5	1	7,6	3	Dir.2006/15
66.	75-31-0	200-860-9	2-aminopropan / Izopropilamină		7	3	10	4	
67.	7664-41-7	231-635-3	Amoniac		14	20	36	50	Dir.2000/39
68.	108-24-7	203-564-8	Anhidrida acetică		15	3,6	25	6	
69.	106-31-0	203-383-4	Anhidrida butirică		1	-	5	-	
70.	85-44-9	201-607-5	Anhidrida ftalică		2	0,3	5	0,8	(Vapori și aerosoli de condensare)
71.	108-31-6	203-571-6	Anhidrida maleică		1	0,25	3	0,75	
72.	62-53-3	200-539-3	Anilină	P	3	0,8	5	1,3	
73.	90-04-0	201-963-1	o-Anisidină	P	0,3	0,06	0,5	0,1	C1B;M2
74.	536-90-3	208-651-4	m- Anisidină	P	0,3	0,06	0,5	0,1	
75.	104-94-9	203-254-2	p- Anisidină	P	0,3	0,06	0,5	0,1	
76.	7440-36-0	231-146-5	Antimoniu / Stibiu		0,2	-	0,5	-	
77.	86-88-4	201-706-3	Antu / 1-(1-naftil)-2-tiouree		0,2	-	0,6	-	
78.	7440-22-4	231-131-3	Argint		0,1	-	-	-	Metalic Dir.2000/39
79.	-	231-131-3	Argint (compusi solubili exprimați în Ag)		0,01	-	-	-	Dir.2006/15
80.	-	-	Arsen și compusi anorganici (exprimați în As)		0,01	-	0,1	-	C 1A
81.	7784-42-1	232-066-3	Arsină / Hidrogen arseniat		0,1	0,03	0,3	0,09	
82.	8052-42-4	232-490-9	Asfalt		5	-	-	-	(Fumuri)
83.	1912-24-9	217-617-8	Atrazină		1	-	2	-	
84.	26628-22-8	247-852-1	Azida de sodiu	P	0,1	-	0,3	-	Dir.2000/39
85.	-	-	Bariu (compusi solubili exprimați în Ba)		0,5	-	-	-	Dir.2006/15
86.	71-43-2	200-753-7	Benzen	P ⁽¹¹⁾	3,25	1	-	-	C1A; M1B Dir.2004/37
87.	50-32-8	200-028-5	3,4-Benzpiren / Benzo[a]piren		-	-	-	-	Fp; C1B; M1B; R1B
88.	92-87-5	202-199-1	Benzidină	P	-	-	-	-	Fp; C1A
89.	-	-	Benzine (carburanți)		300	-	500	-	
90.	93-89-0	202-284-3	Benzoat de etil		200	33	300	49	
91.	106-51-4	203-405-2	p- Benzochinonă / Chinonă		0,3	-	0,4	-	
92.	-	-	Beriliu (compusi de Be)		0,002	-	-	-	C1B
93.	111-44-4	203-870-1	Bis(2-cloroetil)eter / 2,2' Dicloro dietil eter	P	40	6,8	60	10,3	
94.	542-88-1	208-832-8	Bis (clorometil) eter		-	-	-	-	Fp; C1A
95.	14324-55-1	238-270-9	Bis (dietilditiocarbamat) de zinc		3	-	5	-	
96.	80-05-7	201-245-8	Bisfenol A / 4,4'-Isopropilidendifenol		10	-	-	-	(Pulberi inhalabile) R2 Dir.2009/161
97.	7726-95-6	231-778-1	Brom		0,7	0,1	-	-	Dir.2006/15
98.	74-96-4	200-825-8	Brometan / Bromura de etil		400	90	500	112	C2
99.	74-83-9	200-813-2	Brommetan / Bromura de metil	P	20	5	30	7,5	M2
100.	593-60-2	209-800-6	Bromura de etilenă		22	5	-	-	C1B
101.	106-99-0	203-450-8	1,3 Butadiena		22	10	-	-	C1A;M1B
102.	71-36-3	200-751-6	n-Butanol		100	33	200	66	
103.	78-93-3	201-159-0	2 Butanonă / etil metil cetonă /		600	200	900	300	Dir.2000/39

			butanonă						
104.	109-73-9	203-699-2	Butilamină	P	-	-	15	5	
105.	106-35-4	203-388-1	Butil etil cetonă / Heptan-3-onă		95	20	-	-	Dir.2000/39 3-heptanonă
106.	111-76-2	203-905-0	2-Butoxietanol / Etilenglicol monobutileter	P	98	20	246	50	Dir.2000/39
107.	112-34-5	203-961-6	2-(2-Butoxi)etanol / Dowanol DB		67,5	10	101,2	15	Dir.2006/15
108.	2426-08-6	219-376-4	Butil glicidil eter		100	19	200	38	C2; M2
109.	-	-	Cadmium și compuși exprimați în Cd		0,05	-	-	-	C1B; M2; R2
110.	76-22-2	200-945-0	Camfor		1	6	3	18	
111.	105-60-2	203-313-2	ε-Caprolactamă / Ciclohexanon-iso-oximă		10	-	40	-	(Pulberi,vapori) Dir.2000/39
112.	63-25-2	200-555-0	Carbaryl / 1-naftil metilcarbamate		2	-	5	-	C2
113.	105-58-8	203-311-1	Carbonat de dietil		700	145	1000	207	
114.	497-19-8	207-838-8	Carbonat de sodiu		1	-	3	-	
115.	12070-12-1	235-123-0	Carbura de tungsten		2	-	6	-	
116.	463-51-4	207-336-9	Cetenă		0,5	-	1,5	-	
117.	420-04-2	206-992-3	Cianamidă	P	1	0,58	-	-	Dir.2006/15
118.	75-05-8	200-835-2	Cianometan / Acetonitril	P	70	40	-	-	Dir.2006/15
119.	-	-	Cianuri și cianogeni (exprimați în CN)	P	0,5	-	1	-	
120.	110-82-7	203-806-2	Ciclohexan		700	200	-	-	Dir.2006/15
121.	108-93-0	203-630-6	Ciclohexanol	P	100	25	200	50	
122.	108-94-1	203-631-1	Ciclohexanonă	P	40,8	10	81,6	20	Dir.2000/39
123.	110-83-8	203-807-8	Ciclohexenă		700	208	1200	357	
124.	108-91-8	203-629-0	Ciclohexilamină		20	5	40	10	R2
125.	542-92-7	208-835-4	Ciclopentadienă		100	35,5	200	75	
126.	12079-65-1	235-142-4	Ciclopentadienil tricarbonil mangan		0,1	-	0,3	-	
127.	75-19-4	200-847-8	Ciclopropan		500	290	700	407	
128.	7782-50-5	231-959-5	Clor	-	-	-	1,5	0,5	Dir.2006/15
129.	108-90-7	203-628-5	Clorbenzen / monoclorbenzen		23	5	70	15	Dir.2006/15
130.	74-97-5	200-826-3	Clor brom metan		700	132	1000	189	
131.	506-77-4	208-052-8	Clorcian		-	-	1	0,4	
132.	57-74-9	200-349-0	Clordan /1,2,4,5,6,7,8,8-octaclor-3a,4,7,7a-tetrahidro-4,7-metanoindan		0,3	-	0,6	-	C2
133.	106-89-8	203-439-8	1-clor-2,3-epoxipropil / Epiclorhidrina	P	1	0,2	4	0,8	C1B
134.	95-57-8	202-433-2	2-Clorfenol		-	-	10	-	
135.	74-87-3	200-817-4	Clormetan /clorura de metil		75	36	150	72	C2
136.	100-00-5	202-809-6	1-Clor-4 nitrobenzen	P	-	-	1	0,16	C2;M2
137.	600-25-9	209-990-0	1-Clor -1 nitropropan		50	10	75	15	
138.	532-27-4	208-531-1	2-Cloroacetofenonă		-	-	0,3	0,05	
139.	106-47-8	203-401-0	4- Cloroanilină	P	2	-	5	-	C1B
140.	75-00-3	200-830-5	Cloretan		268	100	-	-	C2 Dir.2006/15
141.	40507-94-6	254-947-1	6-Cloro-3-(clorometil)-1,3 benzoxazonă		15	-	20	-	
142.	53469-21-9	-	Clorodifenil (42% clor)	P	-	-	1	-	
143.	11097-69-1	-	Clorodifenil (54% clor)	P	-	-	0,5	-	
144.	75-45-6	200-871-9	Clorodifluorometan		3600	1000	-	-	Dir.2000/39
145.	107-07-3	203-459-7	2 Cloroetanol / Etilenclorhidrină	P	3	1	10	3	
146.	67-66-3	200-663-8	Cloroform / triclormetan	P	10	2	-	-	C2 Dir.2000/39
147.	96-30-0	202-497-1	2-Cloro-N-metilacetamida		10	-	14	-	
148.	563-47-3	209-251-2	3 Cloro-2metil propena / Clorura de metalil		80	22	150	41	
149.	97-00-7	202-551-4	1-Clor 2,4 dinitrobenzen		-	-	1	-	
150.	126-99-8	204-818-0	Cloropren / 2 Clor-1,3 butadienă	P	30	8	50	14	C1B
151.	75-29-6	200-858-8	2-Clorpropan / clorura de izopropil		400	125	500	156	
152.	96-24-2	202-492-4	3-cloro-1,2-propandiol / Monoclorhidrină		5	-	10	-	
153.	107-05-1	203-457-6	3-clorpropena / clorura de alil		3	1	6	2	C2; M2
154.	2039-87-4	218-026-8	o-Clorstiren		50	9	100	18	
155.	95-49-8	202-424-3	2-Clortoluen		150	30	250	50	
156.	106-43-4	203-397-0	4-Clortoluen		150	30	250	50	
157.	100-44-7	202-853-6	α Clor tolue / clorura de benzil		5	1	8	1,5	C1B
158.	75-36-5	200-865-6	Clorura de acetil		2	0,6	5	1,6	
159.	12125-02-9	235-186-4	Clorura de amoniu		5	-	10	-	
160.	98-88-4	202-710-8	Clorura de benzoil		5	0,9	10	1,8	
161.	79-04-9	201-171-6	Clorura de cloracetil		10	2	20	4	
162.	79-36-7	201-199-9	Clorura de dicloracetil		3	0,5	5	0,8	

163.	10545-99-0	234-129-0	Clorura de sulf		2	0,4	5	0,9	
164.	7791-25-5	232-245-6	Clorura de sulfuril		2	0,4	5	0,9	
165.	7719-09-7	231-748-8	Clorura de tionil		15	3	25	5	
166.	75-01-4	200-831-0	Clorura de vinil (monomer)		7,77	3	-	-	C1A Dir.2004/37
167.	7440-48-4	231-158-0	Cobalt		0,05	-	0,1	-	
168.	8050-09-7	232-475-7	Colofoniu (produși de descompunere la lipire cu fluidor, exprimați în formaldehidă)		0,1	-	-	-	
169.	1319-77-3	215-293-2	Cresoli (toți izomerii)	P	22	5	-	-	Dir.91/322
170.	18540-29-9		Crom hexavalent		0,05	-	-	-	C1A;M1B; R2
171.	-	-	Crom metalic, compuși anorganici ai Cr(II) și compuși anorganici insolubili ai Cr(III)		2	-	-	-	Dir.2006/15
172.	13530-65-9	236-878-9	Cromat de zinc		0,01	-	-	-	C1A
173.	-	-	Crom trivalent (compuși solubili)		0,5	-	-	-	
174.	98-82-8	202-704-5	Cumen / Izopropilbenzen	P	100	20	250	50	Dir.2000/39
175.	7440-50-8	231-159-6	Cupru		-	-	0,2	-	(Fumuri)
176.	7440-50-8	231-159-6	Cupru		0,5	-	1,5	-	(Pulberi)
177.	94-75-7	202-361-1	2,4 D / acid 2,4-diclor-fenoxiacetic		5	-	10	-	
178.	1596-84-5	216-485-9	Daminozida / Alar		1	-	3	-	
179.	533-74-4	208-576-7	Dazomet / tetrahidro-3,5-dimetil-2H-1,3,5-triadiazin-2-tionă		-	-	3	-	
180.	50-29-3	200-024-3	DDT / p,p'-diclorodifenil-triclorețan	P	0,5	-	1	-	C2
181.	95828-55-0	-	DDVP / o,o'-dimetil-2,2diclordivinil-fosfat	P	0,5	-	1,5		
182.	17702-41-9	241-711-8	Decaboran	P	0,1	0,016	0,3	0,05	
183.	91-17-8	202-046-9	Decahidronaftalină / decalină		100	18	200	36	
184.	112-30-1	203-956-9	1-Decanol		100	15	200	30	
185.	8065-48-3	-	Demeton / Sistox	P	0,05	-	0,15	-	
186.	8022-00-2	-	Demeton metil	P	0,2	-	0,5	-	
187.	124-02-7	204-671-2	Dialilamină		0,5	0,1	2	0,5	
188.	37764-25-3	253-658-8	N,N dialil 2,2 dicloroacetamidă		7	-	10	-	
189.	999-21-3	213-658-0	Dialil maleat		1	-	5	-	
190.	334-88-3	206-382-7	Diazometan		0,3	0,2	0,5	0,3	C1B
191.	19287-45-7	242-940-6	Diboran		0,1	0,1	1	1	
192.	106-93-4	203-444-5	1,2 Dibrometan	P	0,8	0,1	2	0,3	C1B
193.	74-95-3	200-824-2	Dibrommetan / bromura de metilen		10	1,4	50	7	
194.	111-92-2	203-921-8	Di n-butilamină		-	-	6	1,1	
195.	142-96-1	205-575-3	Di-n-butil eter / Dibutil eter	P	30	6	50	9	
196.	107-66-4	203-509-8	Dibutilfosfat		2	-	5	-	
197.	84-74-2	201-557-4	Dibutilftalat		2	-	5	-	R1B
198.	95-50-1	202-425-9	1,2-diclorbenzen / o-diclorbenzen	P	122	20	306	50	Dir.2000/39
199.	106-46-7	203-400-5	1,4-diclorbenzen / p-diclorbenzen		122	20	306	50	C2 Dir.2000/39
200.	22591-21-5	245-111-7	1,1 Diclor-3,3 dimetil -2-butanonă / diclorpinacolona		-	-	10	-	
201.	75-34-3	200-863-5	1,1-diclorețan	P	412	100	-	-	Dir.2000/39
202.	107-06-2	203-458-1	1,2 Diclorețan		30	7	70	17	C1B
203.	75-35-4	200-864-0	1,1 Diclorețilenă / clorura de viniliden		20	5	80	20	C2
204.	540-59-0	208-750-2	1,2 Diclorețilenă		200	50	300	76	
205.	75-09-2	200-838-9	Diclorometan / clorura de metilen		174	50	-	-	C2
206.	594-72-9	209-854-0	1,1 Diclor -1-nitroetan		10	1,7	40	7	
207.	78-87-5	201-152-2	1,2 Dicloropropan / clorura de propilen		100	22	200	44	
208.	96-23-1	202-491-9	1,3 Diclor-2-propanol / 1,3 diclorhidrină	P	5	0,95	10	1,9	C1B
209.	18671-97-1	-	2,6-diclorochinoxalină		50	-	100	-	
210.	75-71-8	200-893-9	Dicloro-difluoro metan / Freon 12		2000	494	3000	741	
211.	75-43-4	200-869-8	Dicloromonofluor metan / Freon 21		42	10	-	-	
212.	6607-45-0	-	1,2 Diclorovinil-benzen / α,β diclorstiren		30	-	50	-	
213.	76-14-2	200-937-7	1,1 Diclor-tetrafluoroetan / Freon 114		3000	430	5000	715	
214.	60-57-1	200-484-5	Dieldrin	P	0,2	-	0,25	-	C2
215.	109-89-7	203-716-3	Dietilamină		15	5	30	10	Dir.2006/15
216.	100-37-8	202-845-2	2-Dietilaminoetanoli	P	30	6	45	9	
217.	91-66-7	202-088-8	N,N Dietilaniilină		10	1,6	20	3,2	
218.	91-65-6	202-087-2	N,N Dietilciclohexilamină		15	-	30	-	
219.	122-39-4	204-539-4	Difenilamină		4	-	6	-	

220.	80-10-4	201-251-0	Difenildiclorosilan		5	05	7	0,7	
221.	25167-94-6	246-696-1	Difenilpropan		10	-	15	-	
222.	8004-13-5	-	Difil (dinil; dowterm; amestec de difenil și oxid de difenil)		2	-	4	-	
223.	75-61-6	200-885-5	Difluordibrom-metan		600	70	800	93	
224.	120-80-9	204-427-5	1,2 Dihidroxibenzen / Pirocatecol		10	-	20	-	
225.	123-31-9	204-617-8	1,4-dihidroxibenzen / Hidrochinonă		1	-	2	-	C2;M2
226.	25167-70-8	246-690-9	Diizobutilenă		2000	-	2500	-	
227.	27205-99-8	248-322-2	O,O Diizopropil ditiofosfat de sodiu		-	-	20	-	
228.	127-19-5	204-826-4	N,N-dimetilacetamidă	P	36	10	72	20	R1B Dir.2000/39
229.	124-40-3	204-697-4	Dimetilamină		3,8	2	9,4	5	Dir.2000/39
230.	121-69-7	204-493-5	N,N Dimetilaniolină	P	25	5	49	10	C2
231.	103-83-3	203-149-1	Dimetil-benzilamină		5	0,9	10	1,8	
232.	75-97-8	200-920-4	3,3 Dimetil-2-butanonă / Pinacolonă		60	15	150	37	
233.	75-78-5	200-901-0	Dimetil-diclorosilan		3	0,6	6	1,2	
234.	1331-15-3	-	2,5 Dimetil 1,4 dioxan		50	-	100	-	
235.	115-10-6	204-065-8	Dimetil eter / Oxid de dimetil		1920	1000	-	-	Dir.2000/39
236.	68-12-2	200-679-5	N,N Dimetilformamidă	P	15	5	30	10	R1B Dir.2009/161
237.	868-85-9	212-783-8	Dimetilfosfit		12	-	-	-	(Distilat)
238.	108-83-8	203-620-1	2,6 Dimetil 4 heptanona / Diizobutil cetonă		150	26	250	43	
239.	57-14-7	200-316-0	N,N dimetilhidrazină	P	0,7	0,3	1,5	0,6	C1B
240.	77-78-1	201-058-1	Dimetilsulfat	P	0,5	0,1	-	-	C1B;M2
241.	120-61-6	204-411-8	Dimetilteftalat		2	-	5	-	
242.	60-51-5	200-480-3	Dimetoat		7	-	10	-	
243.	109-87-5	203-714-2	Dimetoximetan / Metilal		1500	531	2500	885	
244.	628-96-6	211-063-0	Dinitrat de etilenglicol	P	0,3	0,05	1	0,2	
245.	25154-54-5	246-673-6	Dinitrobenzen (toți izomerii)	P	1	0,15	1,5	0,2	
246.	51-28-5	200-087-7	2,4 Dinitrofenol	P	0,7	-	1	-	
247.	534-52-1	208-601-1	4,6 Dinitro-o-crezol / DNOC	P	0,05	-	0,2	-	
248.	25321-14-6	246-836-1	Dinitrotoluen	P	1	-	1,5	-	C1B; M2; R2
249.	88-85-7	201-861-7	Dinoseb / 6 sec butil 2,4 dinitrofenol		0,1	-	0,5	-	R1B
250.	2813-95-8	220-560-1	Dinosebacetat		0,7	-	1	-	
251.	117-84-0	204-214-7	Diocitlftalat / dietil-hexil 2-ftalat		2	0,1	5	0,3	
252.	123-91-1	204-661-8	1,4 Dioxan	P	73	20	-	-	C2 Dir.2009/161
253.	124-38-9	204-696-9	Dioxid de carbon		9000	5000	-	-	Dir.2006/15
254.	10049-04-4	233-162-8	Dioxid de clor		0,1	0,04	0,3	0,11	
255.	7446-09-5	231-195-2	Dioxid de sulf		5	2	10	4	
256.	13463-67-7	236-675-5	Dioxid de titan		10	-	15	-	
257.	142-84-7	205-565-9	Dipropilamină		1,7	0,4	2	0,5	
258.	298-04-4	206-054-3	Disulfoton / O,O-dietil-S-2-(etiltio) etil-fosforoditionat		0,1	-	0,2	-	
259.	2179-59-1	218-550-7	Disulfura de alil-propil		10	1,7	20	3,4	
260.	72-20-8	200-775-7	Endrin / 1,2,3,4,10,10 hexaclor-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahidro-1,4,5,8 dimetanonaftalină	P	0,03	-	0,1	-	
261.	106-87-6	203-437-7	1,2 epoxi-4-epoxietil ciclohexan / diepoxid 4-vinil ciclohexenă	P	57	10	-	-	C2
262.	4016-14-2	223-672-9	2,3 epoxipropil izopropil eter / Izopropil glicidil eter		50	10,5	100	21	
263.	111-43-3	203-869-6	Eter n-propilic / Dipropil eter		1000	-	1500	-	
264.	108-20-3	203-560-6	Eter izopropilic / Diizopropil eter		1000	-	1500	-	
265.	75-04-7	200-834-7	Etilamină		9,4	5	-	-	Dir.2000/39
266.	100-41-4	202-849-4	Etilbenzen	P	442	100	884	200	Dir.2000/39
267.	5459-93-8	226-733-8	N-etilciclohexil amină		15	2,9	30	5,8	
268.	107-15-3	203-468-6	Etilendiamină / 1,2 Diaminoetan		20	8	30	12	
269.	3566-10-7	222-651-1	Etilen-bis-ditiocarbamat de amoniu		20	-	25	-	
270.	107-21-1	203-473-3	Etilenglicol / Etandiol	P	52	20	104	40	Dir.2000/39
271.	109-86-4	203-713-7	Etilenglicol monometil eter / 2-Metoxietanol	P	3,2	1	-	-	R1B Dir.2009/161
272.	151-56-4	205-793-9	Etilenimină	P	0,5	0,3	1	0,5	C1B; M1B
273.	577-11-7	209-406-4	2 Etilhexil-sulfo-succinat de sodiu		-	-	20	-	
274.	75-08-1	200-837-3	Etil mercaptan / Etan tiol		-	-	1	-	
275.	622-96-8	210-761-2	4-Etil toluen		300	61	400	81	

276.	110-80-5	203-804-1	2-Etoxi-1-etanol /etilenglicol monoetil eter	P	8	2	-	-	R1B Dir.2009/161
277.	2370-63-0	219-135-3	2 Etoxi-etil-metacrilat		100	-	200	-	
278.	101-84-8	202-981-2	Fenileter		5	0,7	10	1,4	
279.	122-60-1	204-557-2	Fenil glicidil eter / PGE / 2,3-epoxipropil fenil eter / 1,2-epoxi-fenoxipropan		6	1	10	2	C1B; M2
280.	100-63-0	202-873-5	Fenil hidrazină	P	15	3	25	6	C1B; M2
281.	98-86-2	202-708-7	Fenil metil cetona / Acetofenona		100	20	200	41	
282.	106-50-3	203-404-7	p- Fenilendiamina	P	0,07	0,01	0,1	0,02	
283.	95-54-5	202-430-6	o- Fenilendiamina		-	-	10	-	C2; M2
284.	108-95-2	203-632-7	Fenol	P	8	2	16	4	M2 Dir.2009/161
285.	12604-58-9	603-118-6	Ferovanadiu		0,5	-	1,5	-	(Pulberi)
286.	7782-41-4	231-954-8	Fluor		1,58	1	3,16	2	Dir.2000/39
287.	62-74-8	200-548-2	Fluoroacetat de sodiu	P	0,02	0,004	0,05	0,01	
288.	7789-75-5	232-188-7	Fluorura de calciu		1	-	2	-	
289.	2699-79-8	220-281-5	Fluorura de sulfuril		15	-	20	-	
290.	-	-	Fluoruri anorganice		2,5	-	-	-	Dir.2000/39
291.	50-00-0	200-001-8	Formaldehidă		1,2	1	3	2	C2
292.	75-12-7	200-842-0	Formamidă		20	11	30	16	R1B
293.	109-94-4	203-721-0	Formiat de etil		200	66	300	99	
294.	107-31-3	203-481-7	Formiat de metil		150	60	250	100	
295.	7803-51-2	232-260-8	Fosfina / Hidrogen fosforat		0,14	0,1	0,28	0,2	Dir.2006/15
296.	7723-14-0	231-768-7	Fosfor roșu		0,05	-	0,15	-	
297.	75-44-5	200-870-3	Fosgen / clorura de carbonil		0,08	0,02	0,4	0,1	Dir.2000/39
298.	732-11-6	211-987-4	Fosmet / Imidan / Ortadox		1,5	-	3	-	
299.	98-01-1	202-627-7	2- Furaldehidă		10	2,5	15	4	C2
300.	-	-	Gaze lichefiate (în principal C3-C4)		1200	-	1500	-	
301.	7440-56-4	231-164-3	Germaniu		2	-	5	-	
302.	556-52-5	209-128-3	Glicidol / 2,3-epoxi-1-propanol		50	16,5	100	33	C1B;M2; R1B
303.	7440-58-6	231-166-4	Hafniu		0,2	-	0,5	-	
304.	151-67-7	205-796-5	Halotan / 2-Bromo-2-cloro-1,1,1-trifluoroetan		400	50	-	-	
305.	76-44-8	200-962-3	Heptaclor / 1,4,5,6,7,8,8-heptacloro 3a,4,7,7a-tetrahidro-4,7-metanoindan		0,3	-	0,6	-	C2
306.	142-82-5	205-563-8	Heptan		2085	500	-	-	Dir.2000/39 n-heptan
307.	110-43-0	203-767-1	2-heptanonă / metil amil cetona	P	238	50	475	100	Dir.2000/39
308.	110-54-3	203-777-6	n-Hexan		72	20	-	-	R2 Dir.2006/15
309.	118-74-1	204-273-9	Hexaclorbenzen		0,5	-	1	-	C1B
310.	87-68-3	201-765-5	Hexaclor-1,3-butadienă	P	-	-	0,2	0,02	
311.	67-72-1	200-666-4	Hexacloreten		5	0,5	8	0,8	
312.	124-09-4	204-679-6	Hexametilendiamina		1	-	5	-	
313.	822-06-0	212-485-8	Hexameten-diizocianat		0,05	0,007	1	0,14	
314.	302-01-2	206-114-9	Hidrazină	P	0,1	0,08	1	0,8	C1B
315.	-	-	Hidrocarburi alifatic (white spirit, solvent nafta, ligroina, petrol lampant, motorina)		700	-	1000	-	
316.	-	-	Hidrocarburi policiclice aromatice (fracția extractibilă în ciclohexan)		0,2	-	-	-	C1B
317.	7783-07-5	231-978-9	Hidrogen seleniat		0,07	0,02	0,17	0,05	Dir.2000/39
318.	7803-52-3	-	Hidrogen stibiat		0,2	-	0,5	-	
319.	7783-06-4	231-977-3	Hidrogen sulfurat / Sulfură de hidrogen		7	5	14	10	Dir.2009/161
320.	1305-62-0	215-137-3	Hidroxid de calciu		5	-	-	-	Pulberi respirabile Dir.91/322
321.	118-29-6	204-241-4	N-Hidroximetilftalimidă		50	7	75	10	
322.	123-42-2	204-626-7	4-Hidroxi-4-metil 2 pentanonă / diacetone-alcool		150	32	250	53	
323.	75-86-5	200-909-4	2-hidroxi-2-metilpropionitril / Acetoncianhidrina	P	2	0,6	10	2,9	
324.	-	-	Hidroxizi alcalini (exprimați în hidroxid de sodiu)		1	-	3	-	
325.	7580-67-8	231-484-3	Hidrua de litiu		0,025	-	-	-	Pulberi

									inhalabile Dir.91/322
326.	111-40-0	203-865-4	2,2'-iminodietilamină / dietilentriamină	P	2	0,5	4	1	
327.	7553-56-2	231-442-4	Iod		0,5	0,09	1	0,2	
328.	74-88-4	200-819-5	Iodura de metil	P	15	2,5	25	4,2	C2
329.	78-83-1	201-148-0	Izobutanol / 2- metil 1-propanol		100	33	200	66	
330.	624-83-9	210-866-3	Izocianatul de metan / Metilizocianat		0,02	0,008	0,05	0,02	R2 Dir.2009/161
331.	78-59-1	201-126-0	Izoforonă / 3,5,5-trimetil 2 ciclohexe- nonă		25	4,42	50	8,84	C2
332.	58-89-9	200-401-2	Lindan / γ HCH	P	0,3	-	0,5	-	
333.	8018-01-7	-	Mancozeb / Etilen-bis-ditiocarbamat de zinc și mangan		100	-	200	-	
334.	7439-96-5	231-105-1	Mangan		0,5	-	3	-	
335.	121-75-5	204-497-7	Malation / 1,2-bis (etoxicarbonil) etil O,O-dimetil fosforoditioat		7	-	10	-	
336.	-	-	Mercur și compușii anorganici bivalenți ai mercurului, inclusiv oxidul de mercur și clorura mercurică (măsurați ca mercur) ⁽¹²⁾		0,02	-	-	-	R1B Dir.2009/161
337.	-	-	Mercur (compuși organici)	P	-	-	0,01	-	
338.	67-56-1	200-659-6	Metanol /Alcool metilic	P	260	200	-	-	Dir.2006/15
339.	108-67-8	203-604-4	Mesitilenă / 1,3,5-trimetilbenzen		100	20	-	-	Dir.2000/39
340.	97-88-1	202-615-1	Metacrilat de N-butil		150	25	250	43	
341.	97-63-2	202-597-5	Metacrilat de etil		150	32	250	54	
342.	80-62-6	201-297-1	Metacrilat de metil / metil 2-metilpropenoat		205	50	410	100	Dir.2009/161
343.	74-82-8	200-812-7	Metan		1200	1834	1500	2292	
344.	74-99-7	200-828-4	Metil-acetilenă / Propină		1300	793	1500	915	
345.	100-61-8	202-870-9	N-Metilanilină	P	7	16	10	23	
346.	75-55-8	200-878-7	2-Metilaziridină / Propilenimină	P	3	-	5	-	C1B
347.	78-78-4	201-142-8	2- metil butan / Izopentan		3000	1000	-	-	Dir.2006/15
348.	123-51-3	204-633-5	3-metil 1-butanol		100	-	200	-	
349.	591-78-6	209-731-1	Metil butil cetonă / 2-hexanonă		200	49	300	80	R2
350.	108-87-2	203-624-3	Metil ciclohexan		1200	300	1500	375	
351.	25639-42-3	247-152-6	Metil ciclohexanol		200	42	300	64	
352.	583-60-8	209-513-6	2-Metil ciclohexanonă	P	250	54,5	350	76	
353.	96-34-4	202-501-1	Metil cloracetat		5	-	10	-	
354.	80-63-7	201-298-7	Metil alfa cloracrilat		2	-	5	-	
355.	101-14-4	202-918-9	4,4'-Metilen-bis-(2 clor-anilină)	P	0,22	-	-	-	C1B
356.	101-68-8	202-966-0	4,4'-Metilendifenil diizocianat		-	-	0,15	-	C2
357.	101-77-9	202-974-4	4,4' Metilen dianilină	P	0,8	-	0,22	-	C1B;M2
358.	27137-41-3	248-253-8	Metil furan / Silvan		10	-	20	-	
359.	541-85-5	208-793-7	5-metilheptan-3-onă		53	10	107	20	Dir.2000/39
360.	110-12-3	203-737-8	5-metilhexan-2-onă		95	20	-	-	Dir.2000/39
361.	60-34-4	200-471-4	Metil hidrazină	P	0,37	-	-	-	
362.	74-93-1	200-822-1	Metil mercaptan / Metan tiol		-	-	1	-	
363.	109-02-4	203-640-0	4- metilmorfolină / N-metilmorfolină		-	-	70	-	
364.	108-11-2	203-551-7	4-metil 2-pentanol / metil izobutil carbinol	P	60	-	100	-	
365.	141-79-7	205-502-5	4 Metil-3-penten-2-onă / Oxid de mesitil		50	12	100	24	
366.	108-10-1	203-550-1	4-metilpentan-2-onă		83	20	208	50	Dir.2000/39
367.	872-50-4	212-828-1	n-metil-2-pirolidonă	P	40	10	80	20	R1B Dir.2009/161
368.	107-87-9	203-528-1	Metil propil cetonă / 2- pentanonă		250	71	300	85	
369.	98-83-9	202-705-0	α-metilstiren / 2-fenilpropenă		246	50	492	100	Dir.2000/39
370.	100-80-1	202-889-2	3-Metil stiren		250	51	350	72	
371.	23564-05-8	245-740-7	Metil tiofanat		-	-	10	-	M2
372.	75-79-6	200-902-6	Metil triclorșilan		1	-	3	-	
373.	124-70-9	204-710-3	Metil vinil diclorșilan		3	-	5	-	
374.	2554-06-5	219-863-1	4- Metil -4-vinil siloxan	P	30	-	50	-	
375.	72-43-5	200-779-9	Metoxiclor [1,1,1-triclor-2,2 di(p- metoxi-fenil)etan]	P	10	-	15	-	
376.	111-77-3	203-906-6	2-(2-metoxietoxi)-etanol	P	50,1	10	-	-	R2 Dir.2006/15
377.	34590-94-8	252-104-2	(2-metoximetiletoxi)-propanol / Dipropilenglicol monometileter / eter metilic al dipropilen glicolului	P	308	50			Dir.2000/39

378.	107-98-2	203-539-1	1- Metoxi-2-propanol / 1-metoxipropan-2-ol	P	375	100	568	150	Dir.2000/39
379.	21087-64-9	244-209-7	Metribuzin / 4-amino-4,5-dihidro-6-(1,1-dimetiletilel)-3-metiltio-1,2,4-triazin-5-onă		1	-	2	-	
380.	7786-34-7	232-095-1	Mevinfos / 2-metoxycarbonil -1-metil vinil dimetil fosfat / Fosdrin		0,05	-	0,15	-	
381.	-	-	Molibden (compuși insolubili)		5	-	10	-	
382.	-	-	Molibden (compuși solubili)		2	-	5	-	
383.	2212-67-1	218-661-0	Molinat / S-etil perhidroazepina-1-carbotioat		-	-	0,5	-	C2; R2
384.	10102-43-9	233-271-0	Monoxid de azot		30	24	-	-	Dir.91/322
385.	630-08-0	211-128-3	Monoxid de carbon		20	17,5	30	26	R1A
386.	74-89-5	200-820-0	Mono-metilamină		10	8	15	12	
387.	110-91-8	203-815-1	Morfolină		36	10	72	20	Dir.2006/15
388.	8030-30-6	232-443-2	Nafta / Gudron de ulei	P	100	-	200	-	C1B; M1B
389.	91-20-3	202-049-5	Naftalină		50	10	-	-	C2 Dir.91/322
390.	91-59-8	202-080-4	2-Naftilamină	P	-	-	-	-	Fp; C1A
391.	135-88-6	205-223-9	N-2-naftilanilină / N-fenil-2-naftilamină		-	-	-	-	Fp; C2
392.	135-64-8	205-208-7	Naftol AS-SW / 3-hidroxi-N-2- naftil- 2-naftamidă		500	-	1000	-	
393.	90-15-3	201-969-4	1-Naftol	P	10	-	15	-	
394.	463-82-1	207-343-7	Neopentan		3000	1000			Dir.2006/15
395.	-	-	Nichel și compuși exprimați în Ni		0,1	-	0,5	-	C2
396.	13463-39-3	236-669-2	Nichel tetracarbonil		0,05	-	0,1	-	C2; R1B
397.	54-11-5	200-193-3	Nicotină / 3-(N-metil-2-pirolidinil) piridină	P	0,5	-	-	-	Dir.2006/15
398.	1712-64-7	216-983-6	Nitrat de izopropil		20	5	25	7	
399.	627-13-4	210-985-0	Nitrat de n- propil		75	17,5	100	23	
400.	100-01-6	202-810-1	p-Nitroanilină	P	3	0,5	5	0,9	
401.	100-17-4	202-825-3	p-Nitroanisol		5	-	10	-	
402.	98-95-3	202-716-0	Nitrobenzen	P	1	0,2	-	-	C2; R2 Dir.2006/15
403.	627-05-4	210-980-3	1-Nitrobutan		50	-	75	-	
404.	92-93-3	202-204-7	4-Nitrodifenil	P	-	-	-	-	Fp; C1B
405.	79-24-3	201-188-9	Nitroetan		100	32	150	49	
406.	100-12-9	202-821-1	4-nitroetilbenzen	P	15	2	20	3	
407.	55-63-0	200-240-8	Nitroglicerina	P	0,05	0,005	2	0,22	
408.	75-52-5	200-876-6	Nitrometan		100	40	150	60	
409.	86-57-7	201-684-5	1-Nitronaftalină		20	3	30	4	
410.	79-46-9	201-209-1	2-Nitropropan		-	-	30	8	C1B
411.	88-72-2	201-853-3	2-Nitrotoluen	P	10	1,8	30	5,3	C1B; M1B; R2
412.	99-08-1	202-728-6	3-Nitrotoluen	P	10	1,8	30	5,3	
413.	99-99-0	202-808-0	4-Nitrotoluen	P	10	1,8	30	5,3	
414.	62-75-9	200-549-8	N-Nitrozodimetilamină	P	-	-	-	-	Fp; C1B
415.	143-08-8	205-583-7	1- nonanol / Alcool nonilic		150	25	250	42	
416.	111-65-9	203-892-1	Octan		1500	322	2000	429	
417.	127-90-2	204-870-4	Octaclor dipropil eter		10	-	15	-	
418.	152-16-9	205-801-0	Octametilpirofosforamidă / Schradan	P	0,3	-	0,6	-	
419.	111-87-5	203-917-6	1- octanol / Alcool octilic	P	150	28	250	47	
420.	111-13-7	203-837-1	2-Octanonă / Metil hexil cetonă		100	19	200	38	
421.	2809-67-8	-	2-octină		500	-	700	-	
422.	111-46-6	203-872-2	2,2' oxibisetanol / Dietilenglicol		500	115	800	184	
423.	2238-07-5	218-802-6	2,2'-[oxibis(metilen)]-bis oxiran / Diglicidil eter		0,5	0,1	2	0,4	
424.	47110-30-5	-	Oxichinolat de cupru		5	-	9	-	
425.	1344-28-1	215-691-6	Oxid de aluminiu		2	-	5	-	(Aerosoli)
426.	1303-86-2	215-125-8	Oxid boric		10	-	15	-	R1B
427.	1306-19-0	215-146-2	Oxid de cadmiu		0,05	-	0,1	-	(Fumuri) C1B; M2; R2
428.	1305-78-8	215-139-9	Oxid de calciu		2	-	5	-	
429.	1307-96-6	215-154-6	Oxid de cobalt (II)		0,05	-	0,1	-	
430.	1333- 82-0	215-607-8	Oxid de crom (VI)		0,05	-	-	-	C1A;M1B;R2
431.	60-29-7	200-467-2	Oxid de dietil / Dietil eter/ eter etilic		308	100	616	200	Dir.2000/39
432.	55720-99-5	-	Oxid de difenilclorat / Hexacloro difenil eter	P	0,5	-	1,5	-	
433.	75-21-8	200-849-9	Oxid de etilenă		1,8	1	-	-	C1B; M1B

434.	1309-37-1	215-168-2	Oxid feric		5	-	10	-	(Fumuri, pulberi)
435.	20619-16-3	243-922-0	Oxid de germaniu		2	-	5	-	
436.	1309-48-4	215-171-9	Oxid de magneziu		5	-	15	-	(Fumuri)
437.	1003-73-2	213-714-4	N-Oxid 3-metil piridină		2	-	3	-	
438.	75-56-9	200-879-2	Oxid de propilenă		50	21	-	-	C1B;M1B
439.	1314-61-0	215-238-2	Oxid de tantal		5	-	10	-	
440.	1314-13-2	215-222-5	Oxid de zinc		5	-	10	-	(Fumuri)
441.	-	-	Oxizi de azot (exprimați în NO ₂)		5	3	8	4	
442.	10028-15-6	233-069-2	Ozon		0,1	0,05	0,2	0,1	
443.	8002-74-2	232-315-6	Parafină		2	-	6	-	(Fumuri)
444.	56-38-2	200-271-7	Parathion (ISO) /O,O-dietil O-4-nitrofenil fosfortioat	P	0,05	-	0,15	-	
445.	298-00-0	206-050-1	Parathion-metil (ISO) / O,O-dimetil O-4-nitrofenil fosfortioat/ Tiofosfat de di-O-metil și O-p-nitrofenil / Metil-parathion	P	0,1	-	0,3	-	
446.	19624-22-7	243-194-4	Pentaboran		0,05	0,02	0,15	0,06	
447.	76-01-7	200-925-1	Pentaclorețan		40	-	60	-	C2
448.	87-86-5	201-778-6	Pentaclorfenol	P	0,5	0,04	1	0,09	C2
449.	117-97-5	204-224-1	Pentacloortiofenat de zinc		5	-	10	-	
450.	10026-13-8	233-060-3	Pentaclorura de fosfor		1	-	-	-	Dir.2006/15
451.	5714-22-7	227-204-4	Pentafluorura de sulf		0,1	-	0,3	-	
452.	109-66-0	203-692-4	Pentan		3000	1000	-	-	Dir.2006/15
453.	71-41-0	200-752-1	1-Pentanol		100	-	200	-	
454.	1314-56-3	215-236-1	Pentaoxid de difosfor		1	-	-	-	Dir.2006/15
455.	1314-80-3	215-242-4	Pentasulfura de difosfor		1	-	-	-	Dir.2006/15
456.	1314-62-1	215-239-8	Pentoxid de vanadiu		0,05	-	0,1	-	(Fumuri) M2; R2
457.	1314-62-1	215-239-8	Pentoxid de vanadiu		0,1	-	-	-	(Pulberi de V2O5) M2; R2
458.	594-42-3	209-840-4	Perclorometil mercaptan		0,5	-	1,5	-	
459.	8003-34-7	232-319-8	Piretru		1	-	-	-	După eliminarea lactonelor sensibilizante Dir.2006/15
460.	110-86-1	203-809-9	Piridină		15	5	-	-	Dir.91/322
461.	29232-93-7	249-528-5	Pirimifos-metil / Orafon		0,5	-	2	-	
462.	110-85-0	203-808-3	Piperazină		0,1	-	0,3	-	R2 Dir.2000/39
463.	7440-06-4	231-116-1	Platină		1	-	-	-	(Metalică) Dir. 91/322
464.	-	-	Plumb anorganic și compușii săi (exprimați în Pb)		0,15	-	-	-	Dir. 98/24
465.	8050-81-5	-	Polidimetilsiloxan		60	-	80	-	
466.	74-98-6	200-827-9	Propan		1400	778	1800	1000	
467.	107-10-8	203-462-3	N-propilamina / Monopropilamină		0,5	0,2	0,8	0,3	
468.	3126-95-2	221-509-6	N-Propil glicidil eter		100	-	200	-	
469.	57-57-8	200-340-1	1,3- Propiolactonă		1,5	-	-	-	C1B
470.	107-12-0	203-464-4	Propionitril / Cianura de etil		0,1	0,04	0,3	0,13	
471.	108-46-3	203-585-2	Rezorcinol /1,3-benzendiol	P	45	10	-	-	Dir.2006/15
472.	70281-37-7	-	Rodamina de tetrametil		70	-	-	-	
473.	-	-	Seleniu și compuși (exprimați în Se)		0,1	-	0,2	-	
474.	78-10-4	201-083-8	Silicat de etil		100	-	200	-	
475.	-	-	Staniu (compuși anorganici exprimați în Sn)		2	-	-	-	Dir.91/322
476.	-	-	Staniu (compuși organici)		0,05	-	0,15	-	
477.	100-42-5	202-851-5	Stiren		50	12	150	35	
478.	7704-34-9	231-722-6	Sulf		-	-	15	-	(Pulberi)
479.	7773-06-0	231-871-7	Sulfamat de amoniu		10	-	15	-	
480.	3689-24-5	222-995-2	Sulfotep / O,O,O,O tetra etil-ditio-pirofosfat	P	0,1	-	-	-	Dir.2000/39
481.	75-15-0	200-843-6	Sulfura de carbon	P	15	5	-	-	R2 Dir.2009/161
482.	93-76-5	202-273-3	2,4,5T / Acid 2,4,5 triclorfenoxi acetic		5	-	10	-	
483.	7440-25-7	231-135-5	Tantal		5	-	10	-	

484.	13494-80-9	236-813-4	Telur		0,05	-	0,15	-	
485.	107-49-3	203-495-3	TEPP / Tetraetil-pirofosfat	P	0,05	-	0,1	-	
486.	33693-04-8	251-637-8	Terbumeton		0,5	-	1	-	
487.	8006-64-2	232-350-7	Terebentină	P	400	-	500	-	
488.	1634-04-4	216-653-1	Terț-butil metil eter / 2-metoxi-2-metilpropan		183,5	50	367	100	Dir.2009/161
489.	98-51-1	202-675-9	4-terț Butil toluen		45	7,5	60	10	
490.	79-27-6	201-191-5	1,1,2,2 Tetrabrometan / Tetra bromura de acetilenă		10	-	15	-	
491.	76-11-9	200-934-0	1,1,1,2 Tetraclor-2,2-difluor etan		3000	303	4000	404	
492.	76-12-0	200-935-6	1,1,2,2 Tetraclor -1,2-difluor etan		3000	303	4000	404	
493.	79-34-5	201-197-8	1,1,2,2 Tetracloretan	P	20	3	30	4	
494.	630-20-6	211-135-1	1,1,1,2 Tetracloretan	P	20	3	30	4	
495.	127-18-4	204-825-9	Tetracloroetilenă		50	7	100	14	
496.	56-23-5	200-262-8	Tetraclorura de carbon	P	30	5	50	8	C2
497.	7550-45-0	231-441-9	Tetraclorura de titan		1	-	3	-	
498.	78-00-2	201-075-4	Tetraetil de plumb	P	0,01	-	0,03	-	
499.	109-99-9	203-726-8	Tetrahidrofuran	P	150	50	300	100	C2 Dir.2000/39
500.	119-64-2	204-340-2	1,2,3,4 Tetrahidronaftalină / Tetralină		100	-	200	-	
501.	509-14-8	208-094-7	Tetranitrometan		3	0,4	6	0,8	
502.	479-45-8	207-531-9	Tetrit / N-metil-N-2,4,6 tetranitro anilina	P	1	-	1,5	-	
503.	20816-12-0	244-058-7	Tetraoxid de osmiu		0,001	-	0,003	-	
504.	-	-	Thaliu (compuși solubili exprimați în TI)	P	-	-	0,05	-	
505.	137-26-8	205-286-2	Thiram / Disulfura de tetrametil tiuram		2	-	5	-	
506.	7440-29-1	231-139-7	Thoriu		0,02	-	0,05	-	
507.	7440-32-6	231-142-3	Titan		10	-	15	-	
508.	108-88-3	203-625-9	Toluen	P	192	50	384	100	R2 Dir.2006/15
509.	-	-	Toluendiamină (amestec de izomeri)		5	1	10	2	
510.	584-84-9	209-544-5	Toluen -2,4-diizocianat / 2-metil-m-fenilen diizocianat		0,07	0,009	0,15	0,02	C2
511.	119-93-7	204-358-0	4,4'-bi-o-toluidină / o-tolidină	P	-	-	-	-	Fp; C1B
512.	95-53-4	202-429-0	o-Toluidină / 2-aminotoluen	P	3	-	5	-	C1B
513.	106-49-0	203-403-1	p-Toluidină / 4-aminotoluen	P	3	-	5	-	C2
514.	8001-35-2	232-283-3	Toxafen	P	0,3	-	0,5	-	C2
515.	43121-43-3	256-103-8	Triadimefon / 1-(4-clorofenoxi)-3,3-dimetil- 1-(1,2,4-triazol-1-il) butanona		3	-	5	-	
516.	102-70-5	203-048-2	Trietilamină	P	1	-	4	-	
517.	102-82-9	203-058-7	Tributilamină		-	-	20	-	
518.	126-73-8	204-800-2	Tributilfosfat		2	-	5	-	C2
519.	75-87-6	200-911-5	Tricloroacetaldehida / cloral		2	-	3	-	
520.	120-82-1	204-428-0	1,2,4-triclorbenzen	P	15,1	2	37,8	5	Dir.2000/39
521.	71-55-6	200-756-3	1,1,1-tricloreten / Metil cloroform		555	100	1110	200	Dir.2000/39
522.	52-68-6	200-149-3	Triclorfon / Dimetil 2,2,2-tricloro-1-hidroxi-etilfosfonat		1	-	2	-	
523.	79-01-6	201-167-4	Tricloretilenă	P	100	18,5	150	28	C1B; M2
524.	25267-55-4	-	2,4,5 Triclorfenolat de cupru		0,5	-	1,5	-	
525.	75-69-4	200-892-3	Triclorfluorometan / Freon 11		4000	625	5000	781	
526.	76-06-2	200-930-9	Tricloronitrometan / Cloropicrină		0,5	0,07	0,7	0,1	
527.	108-77-0	203-614-9	2,4,6 tricloro-1,3,5 triazina / clorura de cianuril		-	-	1	0,1	
528.	25735-29-9	247-216-3	Tricloropropan	P	100	16,5	150	25	
529.	98-07-7	202-634-5	α,α,α-triclorotoluen / Triclorometil benzen / Triclorură de benzil / Fenilcloroform		2	0,3	5	0,7	C1B
530.	76-13-1	200-936-1	1,1,2 Triclor-1,2,2 trifluor etan / Freon113		5000	-	7000	-	
531.	7719-12-2	231-749-3	Triclorura de fosfor		2	-	5	-	
532.	10025-87-3	233-046-7	Triclorura de fosforil / Oxiclorura de fosfor		1	0,15	5	0,8	
533.	3982-91-0	223-622-6	Triclorura de tiofosforil / Clorura de tiofosforil / Tiotriclorura de fosfor		2	-	5	-	
534.	1330-78-5	215-548-8	o-Tricrezilfosfat	P	0,1	-	2	-	
535.	121-44-8	204-469-4	Trietilamină	P	8,4	2	12,6	3	Dir.2000/39
536.	5224-23-7	-	Trietil de plumb	P	0,01	-	0,03	-	

537.	112-27-6	203-953-2	Trietilenglicol / [2,2'-(etilendioxi) dietanol]		700	114	1000	163	
538.	112-24-3	203-950-6	Trietilentetramină / 3,6-diazaoctantilendiamină		10	1,7	20	3,3	
539.	115-86-6	204-112-2	Trifenilfosfat		2	-	4	-	
540.	75-63-8	200-887-6	Trifluoro-mono-brom metan		5000	-	7000	-	
541.	7783-54-2	232-007-1	Trifluorura de azot		20	-	30	-	
542.	7637-07-2	231-569-5	Trifluorura de bor		-	-	3	-	
543.	7790-91-2	232-230-4	Trifluorura de clor		-	-	0,4	-	
544.	75-50-3	200-875-0	Trimetilamină		1	-	2	-	
545.	526-73-8	208-394-8	1,2,3-trimetilbenzen		100	20	-	-	Dir.2000/39
546.	95-63-6	202-436-9	1,2,4-trimetilbenzen		100	20	-	-	Dir.2000/39
547.	75-77-4	200-900-5	Trimetilclorsilan		3	-	10	-	
548.	121-82-4	204-500-1	Trimetilen-trinitramină / Hexogen	P	2	-	6	-	
549.	118-96-7	204-289-6	2,4,6 Trinitrotoluen / TNT		0,5	-	1	-	
550.	102-69-2	203-047-7	Tripropilamină		3	0,5	4	0,7	
551.	7440-33-7	231-143-9	Tungsten		2	-	6	-	
552.	63148-62-9	-	Ulei polidimetil-siloxanic	P	200	-	300	-	
553.	-	-	Uleiuri minerale		5	-	10	-	
554.	25013-15-4	246-562-2	Vinil toluen		300	-	400	-	
555.	81-81-2	201-377-6	Warfarină	P	0,1	-	0,3	-	R1A
556.	1330-20-7	215-535-7	Xilen, izomer mixt, pur	P	221	50	442	100	Dir.2000/39
557.	108-38-3	203-576-3	m-xilen	P	221	50	442	100	Dir.2000/39
558.	95-47-6	202-422-2	o-xilen	P	221	50	442	100	Dir.2000/39
559.	106-42-3	203-396-5	p-xilen	P	221	50	442	100	Dir.2000/39
560.	576-26-1	209-400-1	2,6 Xilenol		15	-	20	-	
561.	1300-73-8	215-091-4	Xilidină	P	1	-	2	-	
562.	12122-67-7	235-180-1	Zineb / Etilen-bis-ditiocarbamat de zinc		0,5	-	1	-	
563.	-	-	Zirconiu și compuși (exprimați în Zr)		5	-	10	-	

(¹) CAS: număr de înregistrare al *Chemical Abstracts Service*.

(²) EC (EINECS): număr de înregistrare din: Inventarul european al substanțelor (chimice) existente introduse pe piață / Catalogul european al substanțelor comercializate (*European Inventory of Existing Chemical Substances*).

(³) Mențiunea „P” care însoțește valoarea-limită de expunere profesională indică posibilitatea unei penetrări cutanate importante.

(⁴) Măsurate sau calculate în raport cu o perioadă de referință de opt ore ca medie ponderată în timp (MPT).

(⁵) Nivel de expunere pe termen scurt. Valoare-limită peste care nu trebuie să existe o expunere și care se raportează la o perioadă de cincisprezece minute, cu excepția cazului în care se prevede altfel.

(⁶) mg/m³: miligrame pe metru cub de aer la 20 °C și 101,3 kPa (“760 mm coloană de mercur”).

(⁷) ppm: părți per milion, volume de contaminant la 10⁶ volume de aer (ml/m³).

(⁸) Notațiile din această coloană au următorul înțeles:

C1A, C1B – poate provoca apariția cancerului;

C2 – susceptibil de a provoca apariția cancerului;

M1B – poate provoca anomalii genetice;

M2 – susceptibil de a provoca anomalii genetice;

R1A, R1B – poate dăuna fătului; poate dăuna fertilității;

R2 – susceptibil de a dăuna fertilității (conform Regulamentului EC 1272/2008 – anexa VI);

Fp – Foarte periculos. Concentrația (prezența în mediul de muncă) acestor agenți chimici trebuie să fie, practic, 0.

Dir. XXXX : Directiva europeană în care a fost stabilită respectiva valoare limită orientativă, la nivel european. Numărul directivei poate fi însoțit și de denumirea în limba română a agentului chimic respectiv, sub care îl regăsim în acea directivă.

(⁹) Pentru acid sulfuric : Atunci când se alege o metodă adecvată de monitorizare a expunerii, trebuie să se țină cont de limitările și interferențele potențiale care pot apărea în prezența altor compuși ai sulfului.

(¹⁰) Pentru acid sulfuric : Particulele lichide pulverizate se definesc ca fracțiunea toracică.

(¹¹) Pentru Benzen, la notația “Piele” : Este posibil ca la inhalarea reglementată să se adauge o absorbție cutanată.

(¹²) Pentru mercur : În timpul monitorizării expunerii pentru mercur și compușii săi anorganici bivalenți, trebuie să se țină cont de tehnicile relevante de monitorizare biologică care completează valorile-limită de expunere la mediul profesional.

NOTĂ: Semnul „/” separă denumirile alternative ale aceluiași agent chimic.

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 µg Pb/100 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 mg/m³, calculated as a time-weighted average over 40 hours per week, or
- a blood-lead level greater than 40 µg Pb/100 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.

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-mercaptopuric 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.	Cadmiu și compuși anorganici	Cadmiu Proteine	urină sânge urină	sfârșit schimb sfârșit schimb sfârșit schimb	5µg/gC 5µg/1 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	Tiocianați	urină	sfârșit schimb	30mg/l

Nr. crt.	Substanța	Indicator biologic	Material biologic	Momentul recoltării	VLBO
	cianogen)				
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 (2-brom-2-clor-1,1,1 trifluoretan)	Acid trifluoro-acetic	sânge	sfârșit schimb	2,5 mg/l
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 urină	sfârșit schimb începutul schimbului următor	10 µg/l 35 µg/gC
34.	Metiletilcetona	Metiletilcetonă	urină	sfârșit schimb	2 mg/l
35.	Metilcloroform	Tricloretranol total Metilcloroform Acid tricloracetic	urină sânge sânge urină	sfârșit săptămână sfârșit săptămână sfârșit schimb sfârșit săptămână	30 mg/l 1 mg/l 550µg/l 10 mg/l
36.	Nichel	Nichel	urină	sfârșit schimb	15 µg/l
37.	Nichel carbonil	COHb Nichel	sânge urină	sfârșit schimb sfârșit schimb	5%Hb totală 15 µg/l
38.	Nitrobenzen	p-Nitrofenol total Methemoglo-bina	urină sânge	sfârșit schimb sfârșit schimb	5 mg/gC 1,5%Hb totală
39.	Oxid de carbon	COHb	sânge	sfârșit schimb	5% Hb
40.	Parathion	p-Nitrofenol total Activitate colinesterazică	urină sânge	sfârșit schimb înaintea schimbului	500µ g/l scădere > 30%
41.	Pentaclorfenol	Pentaclorfenol	urină	sfârșit schimb	2 mg/gC
42.	Pesticide organofosforice	Activitate colinesterazică	sânge	-	scădere > 30%

Nr. crt.	Substanța	Indicator biologic	Material biologic	Momentul recoltării	VLBO
43.	Plumb	Plumb ALA-u CP-u PEL	urină sânge păr urină urină sânge	sfârșit schimb sfârșit schimb sfârșit schimb sfârșit schimb sfârșit schimb	150 μg/l 40 μg/100 ml 3μg/cm 10mg/l 300μg/l 100μg/100ml eritrocite
44.	Stiren	Acid mandelic Acid fenilgloxalic Stiren	urină urină urină urină sânge sânge	sfârșit schimb începutul schimbului următor sfârșit schimb începutul schimbului următor sfârșit schimb începutul schimbului următor	800 mg/gC 300 mg/gC 100 mg/gC 100 mg/gC 0,55 mg/l 0,02mg/l
45.	Sulfura de carbon	Acid 2-tio-tiazolidin 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.	Tetraclorotilena Triclorotilena	Tricloretanol + acid tricloracetic	urină	sfârșit schimb 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	542-88-1
N-phenyl β naphthylamine:	135-88-6
N-nitrozodimethylamine	62-75-9
O-tolidine	119-93-7

ANNEX 4

OCCUPATIOAL EXPOSURE LIMITS for POWDERS (dust)

Nr. crt.	Nr. CAS	Denumire	Valoare limită (la 8 ore)	Mențiuni
1.	-	Azbest (amestec de fibre)	Potrivit HG nr.1875/2005	-
2.		Bumbac, in, cânepă	1 mg/m ³	fracție inhalabilă
3.	332-58-7	Caolin(fără fibre de azbest si fără cuarț $\geq$ 1%)	2 mg/m ³	fracție respirabilă
4.	409-21-2	Carbură de siliciu (carborund)	10 mg/m ³	fracție inhalabilă
5.	-	Cărbune, cocs, grafit (cuarț $\leq$ 5%)	2 mg/m ³	fracție respirabilă
6.	9004-34-6	Celuloză	10 mg/m ³	fracție inhalabilă
7.	-	Cereale	4 mg/m ³	fracție inhalabilă
8.	-	Ciment Portland	10 mg/m ³	fracție inhalabilă
9.	14464-46-1	Cristobalit	0,05 mg/m ³	fracție respirabilă
10.	14808-60-7	Cuarț	0,1 mg/m ³	fracție respirabilă
11.	-	Făină de grâu	0,5 mg/m ³	fracție inhalabilă
12.	-	Fibre de p-amidă	1 fibră/cm ³	fracție respirabilă
13.	-	Fibre de sticlă	1 fibră/cm ³	fracție respirabilă
14.	-	Ipsos, gips (cuarț $\leq$ 1%)	10 mg/m ³	fracție inhalabilă
15.	-	Lână de furnal	1 fibră/cm ³	fracție respirabilă
16.	-	Lână de rocă	1 fibră/cm ³	fracție respirabilă
17.	-	Lână de sticlă	1 fibră/cm ³	fracție respirabilă
18.	-	Lemn de cedru	0,5 mg/m ³	fracție inhalabilă
19.	-	Lemn de esență moale	5 mg/m ³	fracție inhalabilă
20.	-	Lemn de esență tare	5 mg/m ³ ⁽¹⁾	fracție inhalabilă ⁽¹⁾ Dir. 2004/37/CE ⁽²⁾
21.	-	Marmură, cretă (carbonat de calciu)(cuarț $\leq$ 1%)	10 mg/m ³	fracție inhalabilă
22.	12001-26-2	Mică (fără fibre de azbest si fără cuarț $\geq$ 1%)	3 mg/m ³	fracție respirabilă
23.	-	Pulberi fără efect specific	10 mg/m ³ 5mg/m ³	fracție inhalabilă fracție respirabilă
24.	557-05-1	Stearat de zinc	10 mg/m ³	fracție inhalabilă
25.	14807-96-6	Talc (fără fibre de azbest si fără cuarț $\geq$	2 mg/m ³	fracție respirabilă

		1%)		
26.	15468-32-3	Tridimit	0,05 mg/m ³	fracție respirabilă
27.	-	Tutun	10 mg/m ³	fracție inhalabilă

NOTES:

- fibres/cm³: refers to breathable fibres having a diameter under 3 μm and a length of the fibres above 5 μm, the ratio length/diameter is 3 times and more;
- mg/m³: milligrams per cubic meter of air at 20°C and 101.3 kPa (760 mm Hg);
- ⁽¹⁾ when hardwood dusts are mixed with other wood dusts, the limit value shall apply to all wood dusts of the mixture
- ⁽²⁾ European directive number which determined the maximum value at European level