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MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION

CHIEF STATE SANITARY INSPECTOR OF THE RUSSIAN FEDERATION

RESOLUTION
No. 24 dated September 26, 2001

ON ENACTMENT OF SANITARY RULES

(as amended by Resolution No. 20 of the Chief State Sanitary Inspector of the Russian Federation dated April 7, 2009,
Amendment No. 2 approved by Resolution No. 10 of the Chief State Sanitary Inspector of the Russian Federation dated February 25, 2010,
as amended by Amendment No.3 approved by Resolution No. 74 of the Chief State Sanitary Inspector of the Russian Federation dated June 28, 2010)

On the basis of Federal Law No. 52-FZ “On Sanitary and Epidemiological Well-Being of Population” dated March 30, 1999 <1> and the Regulation on State Sanitary and Epidemiological Control <2> approved by Resolution No. 554 of the Government of the Russian Federation dated July 24, 2000, I hereby order:

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<1> Collection of laws and regulations of the Russian Federation No. 14, 1999, Article 1650.
<2> Collection of laws and regulations of the Russian Federation No. 31, 2000, Article 3295.

1. To put in force the sanitary and epidemiological rules and regulations “Drinking Water. Hygienic Requirements for Quality of Water in the Centralized Drinking Water Supply Systems. Quality Control. SanPiN 2.1.4.1074-01” approved by the Chief State Sanitary Inspector of the Russian Federation on September 26, 2001, from January 1, 2002.

G. G. ONISHCHENKO

Approved by
the Chief State
Sanitary Inspector
of the Russian Federation
on September 26, 2001

2.1.4. DRINKING WATER AND WATER SUPPLY FOR THE POPULATED AREAS

Amendment No. 3 to these Sanitary Rules, which contains a separate chapter “Hygienic Requirements for Safety of Materials, Chemical Reagents and Equipment Used for Water Purification and Treatment”, was approved by Resolution No. 74 of the Chief State Sanitary Inspector of the Russian Federation dated June 28, 2010.

The Amendment to these Sanitary Rules which contains a separate chapter “Hygienic Requirements for Hot Water Supply Systems Safety Assurance” brought into force from September 1, 2009 was approved by Resolution No. 20 of the Chief State Sanitary Inspector of the Russian Federation dated April 7, 2009.

DRINKING WATER. HYGIENIC REQUIREMENTS FOR QUALITY OF WATER IN THE CENTRALIZED DRINKING WATER SUPPLY SYSTEMS. QUALITY CONTROL. HYGIENIC REQUIREMENTS FOR HOT WATER SUPPLY SYSTEMS SAFETY ASSURANCE

SANITARY AND EPIDEMIOLOGICAL RULES AND REGULATIONS
SanPiN 2.1.4.1074-01

(as amended by Resolution No. 20 of the Chief State Sanitary Inspector of the Russian Federation dated April 7, 2009,
Amendment No.2 approved by Resolution No. 10 of the Chief State Sanitary Inspector of the Russian Federation dated February 25, 2010,
as amended by Amendment No.3 approved by Resolution No. 74 of the Chief State Sanitary Inspector of the Russian Federation dated June 28, 2010)

1. Scope of Application

1.1. Sanitary and epidemiological rules and regulations “Drinking Water. Hygienic Requirements for Quality of Water in the Centralized Drinking Water Supply Systems. Quality Control” (hereinafter referred to as the “Sanitary Rules”) set forth hygienic requirements for the quality of the drinking water as well as regulations for control over the quality of water processed and delivered by the populated areas centralized drinking water supply systems (hereinafter referred to as the “Water supply systems”).

Note:

The Regulations on the State Sanitary and Epidemiological Service of the Russian Federation approved by Resolution No. 554 of the Government of the Russian Federation dated July 24, 2000 ceased to be in force due to enactment of Resolution No. 569 of the Government of the Russian Federation dated September 15, 2005.

1.2. These Sanitary Rules have been developed on the basis of Federal Law “On Sanitary and Epidemiological Well-Being of Population”, Fundamentals of Legislation of the Russian Federation on Public Health Care <1>, Regulations on State Sanitary and Epidemiological Control and Regulations on State Sanitary and Epidemiological Service of the Russian Federation <2>.

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<1> Bulletin of the Congress of People’s Deputies of the Russian Federation and the Supreme Council of the Russian Federation No. 33, 1993, Article 1318.

<2> Collection of laws and regulations of the Russian Federation No. 31, 2000, Article 3295.

1.3. The Sanitary Rules are intended for private entrepreneurs and legal entities which activity is related to design, construction and operation of the water supply systems and provision of the population with drinking water as well as for agencies and organizations which carry out sanitary and epidemiological supervision and control.

1.4. The Sanitary Rules apply to the water delivered by the water supply systems and intended for population consumption for drinking and household needs, for using in food raw materials processing and production of food, storage and trading thereof as well as for manufacturing of products requiring water of drinking quality.

1.5. Hygienic requirements for the quality of drinking water in case of non-centralized water supply, for the quality of drinking water processed by autonomous water supply systems, individual water treatment facilities as well as of water sold to the population in bottles and containers shall be set forth by other sanitary rules and regulations.

2. General Provisions

2.1. The requirements of these Sanitary Rules shall be complied with in development of state standards, construction rules and regulations governing drinking water supply to the population, design and technical documents for the water supply systems as well as during construction and operation of the water supply systems.

2.2. The quality of drinking water delivered by the water supply system shall conform to the requirements of these Sanitary Rules.

2.3. The parameters characterizing regional peculiarities of the drinking water chemical composition shall be set individually for each water supply system in accordance with the rules specified in Supplement 1.

2.4. Based on the requirements of these Sanitary Rules a private entrepreneur or a legal entity operating the water supply system shall develop a work program for the water quality production control (hereinafter referred to as the “Work Program”) in accordance with the rules specified in Supplement 1. The Work Program shall be approved by the municipal or regional State Sanitary and Epidemiological Supervision Center (hereinafter referred to as the “State Sanitary and Epidemiological Supervision Center”) and shall be adopted for the corresponding territory within the specified procedure.

2.5. Subject to emergency situations or technical violations at objects and facilities of the water supply system that result or can result in decrease of the drinking water quality and conditions of the water supply to the population, a private entrepreneur or a legal entity operating the water supply system shall immediately take measures to eliminate the said situations or violations and inform the State Sanitary and Epidemiological Supervision Center thereof.

A private entrepreneur or a legal entity exercising production control of the drinking water quality shall also immediately inform the State Sanitary and Epidemiological Supervision Center about each result of water sample laboratory analysis which fails to conform with the hygienic standards.

2.6. In case of natural phenomena which cannot be foreseen in advance or in case of emergency situations which cannot be eliminated immediately, there might be temporary divergences from the hygienic standards of the drinking water quality allowed only for the chemical composition parameters affecting the organoleptic attributes.

2.6.1. Divergences from the hygienic standards are allowed only subject to concurrence of the following conditions:

- drinking water cannot be supplied to the population by any other means;
- the maximum permissible divergences from the hygienic standards approved for a limited period of time by the State Sanitary and Epidemiological Supervision Center are complied with;
- the maximum time limits are complied with;
- there is no risk for health of the population during the period of divergences;
- the population is informed about the said divergences and the duration thereof, about absence of risks for health as well as about recommendations on the use of drinking water.

2.6.2. The decision on temporary divergence from the hygienic standards of the drinking water quality shall be made in accordance with the legislation of the Russian Federation.

2.6.3. An action plan for provision of the water quality conforming to the hygienic standards (including a calendar work plan, deadlines and funds available) shall be adopted upon taking the decision on temporary divergence from the hygienic standards.

2.7. Drinking water supply to the population shall be prohibited or its use shall be suspended in the following cases:

- the reasons for deterioration of the drinking water quality are not eliminated within the specified period of temporary divergences from the hygienic standards;
- the water supply system fails to produce and supply to the population drinking water the quality of which conforms with the requirements of these Sanitary Rules thus creating real hazard to the population health.

2.7.1. The decision on prohibition or suspension of the population's use of the drinking water from the specific water supply system shall be made by the local authorities following a resolution of the Chief State Sanitary Inspector of the corresponding territory based on the assessment of hazard and risks for the population's health arising due to both further consumption of water that does not conform to the hygienic standards and prohibition or suspension of the said water use for drinking and household needs.

2.7.2. In case of a decision on prohibition or suspension of the drinking water use, the organizations ensuring operation of the water supply system shall (subject to the agreement with the State Sanitary and Epidemiological Supervision Center) develop and carry out actions aimed at detection and elimination of the reasons for the water quality deterioration as well as at provision of the population with drinking water conforming with the requirements of the Sanitary Rules.

2.7.3. The population shall be informed about the decision on prohibition or suspension of the drinking water use, the water quality, the actions carried out as well as about recommendations on acting in this situation within the specified procedure.

3. Hygienic Requirements and Standards for Drinking Water Quality

3.1. Drinking water shall be safe epidemiologically and radiologically, have benign chemical composition and good organoleptic attributes.

3.2. The drinking water quality shall conform to the hygienic standards before supply to the distribution facilities as well as at the water supply points of the external and internal water supply network.

3.3. Epidemiological safety of drinking water is defined by its conformity to the standards for microbiological and parasitological parameters provided in Table 1.

Table 1

Parameters	Measurement units	Standards
Thermotolerant Coliform bacteria	Amount of bacteria per 100 ml <1>	None
General Coliform bacteria <2>	Amount of bacteria per 100 ml <1>	None
Total bacterial count <2>	Amount of colony-forming units per 1 ml	max 50
Coliphages <3>	Amount of the plaque-forming units (PFU) per 100 ml	None
Sulfite-reducing Clostridium spores <4>	Amount of spores per 20 ml	None
Lamblia cysts <3>	Amount of cysts per 50 liters	None

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Notes.

<1> Triple analysis of 100 ml of the water samples is conducted for the determination.

<2> The exceedance of the standard is not allowed for 95% of samples collected at the water supply points of the external and internal water supply network within 12 months in case of at least 100 analyzed samples per year.

<3> The determination is conducted only in the water supply systems where the water is taken from the surface sources before its supply to the distribution network.

<4> The determination is conducted within water technology effectiveness assessment.

3.3.1. Determination of thermotolerant coliform bacteria, general coliform bacteria, the total bacterial count and coliphages is conducted at each sample when analysing the microbiological parameters of the drinking water quality.

3.3.2. Should thermotolerant coliform bacteria and (or) general coliform bacteria and (or) coliphages be detected in a drinking water sample, these are to be determined using immediately repeatedly collected water samples. In such cases the determination of chlorides, ammonia nitrogen, nitrates and nitrites shall be simultaneously conducted in order to find the reasons for contamination.

3.3.3. Should general coliform bacteria exceed 2 per 100 ml, and (or) thermotolerant coliform bacteria and (or) coliphages be found in the repeatedly collected water samples, the water samples analysis to determine pathogenic bacteria of the coliform bacterium group and (or) enteroviruses shall be conducted.

3.3.4. Analyses of drinking water for pathogenic bacteria of the coliform bacterium group and enteroviruses are also conducted on epidemiological indications following the decision of the State Sanitary and Epidemiological Supervision Center.

3.3.5. Analyses of water for pathogenic microorganisms can be conducted only in laboratories having sanitary-epidemiological conclusion on the compliance of the work conditions with the sanitary rules and a license for activities related to the use of infectious agents.

3.4. Safety of drinking water as to its chemical composition shall be determined by its conformity to the standards on:

3.4.1. the composite index and hazardous chemical content of substances which are the most frequent in the natural waters in the territory of the Russian Federation as well as of globally distributed man-made substances (Table 2);

3.4.2. the content of harmful chemical substances discharged to and formed in water during its processing in the water supply system (Table 3);

3.4.3. the content of harmful chemical substances discharged to the water supply sources as a result of anthropogenic activities (Supplement 2).

Table 2

Parameters	Units of measurement	Standards (maximum allowable concentration (MAC)), up to	Hazard index <1>	Class of hazard
Composite indices				
Hydrogen ion concentration	units, pH	in the range of 6–9		
Total salt content (solid residue)	mg/l	1000 (1500) <2>		
Total water hardness	mg-equivalents/l	7.0 (10) <2>		
Permanganate demand	mg/l	5.0		
Petrochemicals, cumulative	mg/l	0.1		
Surface active substances (SAS), anionic	mg/l	0.5		
Phenol index	mg/l	0.25		
Inorganic Substances				
Al^{3+} Aluminum	mg/l	0.5	s.-t.	2
Ba^{2+} Barium	mg/l	0.1	s.-t.	2
Be^{2+} Beryllium	- "–	0.0002	- "–	1
Boron (B, cumulative)	- "–	0.5	- "–	2
Ferrum (Fe, cumulative)	- "–	0.3 (1.0) <2>	org.	3
Cadmium (Cd,cumulative)	- "–	0.001	s.-t.	2

Manganese (Mn, cumulative)	- "–	0.1 (0.5) <2>	org.	3
Cuprum (B, cumulative)	- "–	1.0	- "–	3
Molybdenum (Mo, cumulative)	- "–	0.25	s.-t.	2
Arsenium (As, cumulative)	- "–	0.05	s.-t.	2
Nickel (Ni, cumulative)	mg/l	0.1	s.-t.	3
NO_3^- Nitrates (as to NO_3^-)	- "–	45	s.-t.	3
Mercury (Hg, cumulative)	- "–	0.0005	s.-t.	1
Plumbum (Pb, cumulative)	- "–	0.03	- "–	2
Selenium (Se, cumulative)	- "–	0.01	- "–	2
Sr^{2+} Strontium (Sr^{2+})	- "–	7.0	- "–	2
SO_4^{2-} Sulphates (SO_4^{2-})	- "–	500	org.	4
F^- Fluorides (F^-)				
for climatic areas				
- I и II	- "–	1.5	s.-t.	2
- III	- "–	1.2		2
Cl^- Chlorides (Cl^-)	- "–	350	org.	4
Cr^{6+} Chromium (Cr^{6+})	- "–	0.05	s.-t.	3
Cyanides (CN^-)	- "–	0.035	- "–	2
Zn^{2+} Zink (Zn^{2+})	- "–	5.0	org.	3
Organic Substances				

gamma HCCH (lindane)	- "—	0.002 <3>	s.-t.	1
DDT (total isomers)	- "—	0.002 <3>	- "—	2
2,4-D	- "—	0.03 <3>	- "—	2

Notes.

<1> The limiting harmful index according to which the standard is set: “s.-t.” — sanitary and toxicological, “org.” — organoleptic.

<2> The figure in brackets can be set according to the Resolution of the Chief State Sanitary Inspector of the corresponding territory for a specific water supply system based on the sanitary and epidemiological situation in the residential place and the water treatment technology applied.

<3> The standards are adopted in accordance with the WHO recommendations.

Table 3

Parameters	Units of measurement	Standards (maximum allowable concentration (MAC)), up to	Hazard index	Class of hazard
Chlorum <1>				
- residual free	mg/l	within 0.3 - 0.5	org.	3
- residual fixed	- "—	within 0.8 - 1.2	- "—	3
Chloroform (at water chlorination)	- "—	0.2 <2>	s.-t.	2
Residual ozone <3>	- "—	0.3	org.	
Formaldehyde (at water ozone treatment)	- "—	0.05	s.-t.	2
Polyacrylamide	- "—	2.0	- "—	2
Activated silicic acid (per Si)	- "—	10	- "—	2
Polyphosphates (per PO_4^{3-})	- "—	3.5	org.	3
Residual amount of aluminum and ferrum bearing coagulants	- "—	See parameters ”Aluminum”, ”Ferrum” in Table 2		

Notes.

<1> At sterilization of water with the free chlorine the time of its contact with water shall be at least 30 minutes, with the fixed chlorine—at least 60 minutes.

Control over the content of the residual chlorine is conducted before the water supply into the distribution network.

Should free and fixed chlorine simultaneously be in water, their cumulative concentration shall not exceed 1.2 mg/l.

In the exceptional cases subject to agreement with the State Sanitary and Epidemiological Supervision Center the increased concentration of chlorine in the drinking water can be allowed.

<3> Standard adopted in accordance with the WHO recommendations.

<3> Control over the content of the residual ozone is conducted after the mixing chamber should the contact time be at least 12 minutes.

3.4.4. Should several chemical substances of the 1st and 2nd hazard class standardized as per their sanitary and toxicological health hazard characteristic be found in the drinking water, the cumulative ratio of each substance concentration in the water to its MAC shall not exceed 1. The calculation is done according to the following formula:

$$\frac{C^{1}_{fact}}{C^{1}_{adm}} + \frac{C^{2}_{fact}}{C^{2}_{adm}} + \ldots\ldots + \frac{C^{n}_{fact}}{C^{n}_{adm}} \le 1,$$

where C^{1}, C^{2}, C^{n} indicate the concentration of individual chemical substances of the 1st and 2nd hazard class: fact. (factual) and adm. (admissible).

3.5. Propitious organoleptic attributes of water are determined by its conformance to the standards specified in Table 4 as well as to standards for the content of substances influencing the organoleptic attributes of water provided in Table 2 and Table 3 as well as in Supplement 2.

Table 4

Parameters	Units of measurement	Standards max
Odor	points	2
Flavour	- "—	2
Colority	degrees	20 (35) <1>
Suspended-materials concentration	FTU (Formazin Turbidity Units) or mg/l (per kaoline)	2,6 (3,5) <1> 1,5 (2) <1>

Note.

<1> The figure in brackets can be set following the Resolution of Chief State Sanitary Inspector of the corresponding territory for a specific Water supply system based on the sanitary and epidemiological situation in the residential place and the water treatment technology applied.

3.5.1. Conspicuous aquatic organisms and surface film are prohibited to be present in the drinking water.

3.6. Radiological safety of the drinking water shall be defined by its conformity to the standards for radiological safety per parameters provided in Table 5.

Table 5

Parameters	Units of measurement	Radiological safety parameters
Consolidated parameters 1)		
Specific total alpha-activity	Bq/kg	0.2
Specific total beta-activity	Bq/kg	1.0
Radionuclides 2)		
Radon (^{222}Rn) 3)	Bq/kg	60
SUM of radionuclides 3)	units	<= 1.0

Notes.

1) Should the parameters be exceeded, the test for radionuclides content in the water is conducted.

2) The list of the radionuclides determined in water is established in accordance with the sanitary legislation. Radon determination for the underground water supply sources is obligatory.

3) If several radionuclides are jointly physically present in water the condition $SUM(A_i / IL_i) <= 1$ shall be satisfied, where A_i is specific activity of the i-th radionuclide in the water; and IL_i is the corresponding intervention level according to Supplement 2a to SanPiN 2.6.1.2523-09 <*> “Radiological safety standards (NRB-99/2009)”. Should the condition be not satisfied, the water assessment is conducted in accordance with the sanitary legislation.

<*> Registered with the Ministry of Justice of the Russian Federation on 14.08.2009, registration number 14534.

(Cl. 3.6 in the version of Amendments No.2 approved by Resolution of Chief State Sanitary Inspector of the Russian Federation No. 10 dated February 25, 2010)

3.6.1. Excluded from May 1, 2010. — Amendments No.2 approved by Resolution of Chief State Sanitary Inspector of the Russian Federation No. 10 dated February 25, 2010.

4. Control Over Drinking Water Quality

4.1. In accordance with the Federal Law “On Sanitary and Epidemiological Well-being of Population” state sanitary and epidemiological supervision and production control shall be executed over the drinking water quality.

4.2. Production control over the drinking water quality shall be conducted by a private entrepreneur or a legal entity operating the water supply system in line with the Work Program.

The private entrepreneur or the legal entity operating the water supply system in line with the Work Program shall constantly control the quality of water at withdrawal points, before the water supply to the distribution network as well as at the water supply points of the external and internal water supply network.

4.3. The amount and frequency of water sampling at withdrawal points collected for laboratory tests are set in compliance with the requirements specified in Table 6.

Table 6

Parameter types	Amount of samples per one year, at least	
	For underground sources	For surface sources
Microbiological	4 (as per seasons)	12 (on the monthly basis)
Parasitological	not conducted	- "—
Organoleptic	4 (as per seasons)	12 (on the monthly basis)
Composite indices	- "—	- "—
Inorganic and organic substances	1	4 (as per seasons)
Radiological	1	1

4.4. Types of the tested parameters and the amount of the analyzed samples of drinking water before its supply into the distribution network are set in compliance with the requirements specified in Table 7.

Table 7

Parameter types	Amount of samples per one year, at least				
	For underground sources			For surface sources	
	Size of population provided with water from this Water supply system, thousand people.				
	up to 20	20—100	Over 100	up to 100	Over 100
Microbiological	50 (1)	150 (2)	365 (3)	365 (3)	365 (3)
Parasitologic	not conducted			12 (4)	12 (4)
Organoleptic	50 (1)	150 (2)	365 (3)	365 (3)	365 (3)
Composite indices	4 (4)	6 (5)	12 (6)	12 (6)	24 (7)
Inorganic and organic substances	1	1	1	4 (4)	12 (6)
Parameters related to water treatment technology	Residual chlorine, residual ozone—at least once per hour, other reagents - at least once per a shift				
Radiological	1	1	1	1	1

Notes.

1. The following frequency of the water samples collection is established:

(1)—weekly, (2)—three times per week, (3)—daily, (4)—once per a season, (5)—once per two months, (6)—monthly, (7)—twice per month.

2. Should there be no water sterilization at the underground sources water supply system supplying water to population up to 20 thousand people, the collection of samples for microbiological and organoleptic tests shall be conducted at least once per month.

3. During the flood and emergency situations periods the robust regime for drinking water quality control shall be set subject to the agreement with the State Sanitary and Epidemiological Supervision Center.

4.5. Production control over the quality of drinking water in the distribution water supply network is conducted taking into account with microbiological and organoleptic parameters with the frequency specified in Table 8.

Table 8

Size of the serviced population, thousand people	Amount of samples per month
up to 10	2
10—20	10
20—50	30
50—100	100
over 100	100 + 1 sample for each 5 thousand people, population of over 100 thousand

Note.

The samples do not include obligatory control samples collected after the repair and other technical works within the distribution network.

4.6. Collection of samples in the distribution network is conducted from the outdoor water stations at the most elevated and the dead-end parts of the network as well as from the taps of internal water supply networks of all the houses equipped with pumping and local water storage tanks.

4.7. Production control over the drinking water quality in line with the Work Program shall be conducted by laboratories of the private entrepreneurs or legal entities operating the water supply system or subject to agreements with the said persons by laboratories of other organizations accredited within the specified procedure for the right to conduct tests (analyses) of drinking water quality.

4.8. State sanitary and epidemiological supervision over the drinking water quality shall be executed by the bodies and organizations of the State Sanitary and Epidemiological Service in line with the regulatory and methodological documents of the State Sanitary and Epidemiological Service of the Russian Federation within the scheduled procedures and on sanitary and epidemiological indications.

4.9. In order to conduct laboratory tests (analyses) of drinking water quality the metrologically certified standard techniques adopted by the State Committee of the Russian Federation for Standardization and Metrology or the Ministry of Health of the Russian Federation. The collection of samples for analysis shall be conducted in accordance with the requirements of the national standards.

Supplement 1

(obligatory)

RULES FOR

ESTABLISHMENT OF THE CONTROLLED PARAMETERS FOR THE DRINKING WATER QUALITY AND DEVELOPMENT OF THE WORK PROGRAM FOR THE DRINKING WATER QUALITY PRODUCTION CONTROL

I. Procedure for organization of works on selection of the chemical composition parameters for drinking water

1. In accordance with Cl. 3.3 of these Sanitary Rules the selection of chemical composition parameters for drinking water, which are subject to constant production control, shall be conducted for each Water supply system on the basis of the results of the chemical composition of water from water supply sources assessment as well as drinking water technology in the water supply system.

2. Selection of parameters characterizing chemical composition of drinking water for conduction of advanced tests shall be conducted by the organization operating the water supply system together with the State Sanitary and Epidemiological Supervision Center in the city or district within two stages.

2.1. At the first stage the organization operating the water supply system together with the State Sanitary and Epidemiological Supervision Center analyze the following materials for the period of at least three last years:

- national statistic reports of companies and organizations as well as other official data on the composition and volume of the waste water coming into the water supply services above the withdrawal point within their bailing territory;
- materials of the environment protection bodies, weather service, water resources management, geology and subsurface use department, companies and organizations on the quality of the surface, underground and drinking water in the water supply system following the results of the conducted monitoring of water quality and production control;
- materials of the State Sanitary and Epidemiological Supervision Center following the results of the sanitary inspections of companies and organizations conducting business activities and being a source for pollution of the surface and underground water as well as following the results of the tests for water quality in the water use populated places and within the water supply system;
- materials of the bodies for agriculture management and development as to the as the range and gross volume of pesticides and agricultural chemicals used in the territory of water collection (for the surface water source) and within the sanitary protection zone (for the underground water source). Based on the analysis conducted the list of substances characterizing the chemical composition of water from a specific water supply source as well as of hygienic standards in accordance with Supplement 2 of these Sanitary Rules.

2.2. At the second stage the private entrepreneurs and legal entities operating the water supply systems shall conduct advanced laboratory tests of water in line with the prepared list of chemical substances as well as in accordance with the parameters provided in Table 2 of these Sanitary Rules.

2.2.1. At conduction of the advanced tests before water supply into the distribution network for the water supply system with chemical reagent water treating methods of treatment the parameters provided in Table 3 of these Sanitary Rules are additionally included.

2.2.2. Advanced laboratory tests of water are conducted during a year at withdrawal points of the water supply system; and should the system involve water treatment or mix the water from different withdrawal points, the tests are also conducted before drinking water supply to the distribution network.

2.2.3. The minimal amount of the analyzed water samples depending on the type of the water supply source, which provides for the regularity of the water quality receipt within the year, shall be the following:

- for underground sources—4 samples per year, collected once per season;
- for surface sources—12 samples per year collected on the monthly basis.

2.2.4. If it is necessary to obtain more representative and reliable information about the chemical composition of water and changes of the substances concentration therein, the amount of the tested samples and frequency of collection thereof shall be increased in line with the set objectives for the water supply source water quality assessment.

2.2.5. At conduction of the advanced tests it is recommended to use modern general-purpose physical and chemical methods of water media analysis (chromatography-mass spectrometer, etc.) which provide for maximally full information of the chemical composition of water.

2.3. The State Sanitary and Epidemiological Supervision Center shall analyze the results of the advanced tests of the water chemical composition for each Water supply system, and then shall determine the potential hazard of the waterborne chemical substances for the population's health taking into consideration the sanitary and hygienic conditions for the drinking water use by the population and sanitary and epidemiological situation in the city, residential place or district.

2.4. Based on the conducted assessment the State Sanitary and Epidemiological Supervision Center shall develop its suggestions on the list of the controlled parameters, drinking water samples amount and frequency of collection thereof for continuous production control.

II. Procedure for Development of Work Program for Production Control Over Drinking Water Quality

1. Private entrepreneurs and legal entities operating the water supply systems shall develop the Work Program on the basis of these Sanitary Rules.

2. In case of a Water supply system with several withdrawal points the Work Program shall be developed for each withdrawal point taking into account the peculiarities thereof. In case of underground withdrawal points joined in one sanitary protection zone and operating the same water-bearing formation one Work Program can be developed subject to availability of hydrogeological supporting rationale.

3. The Work Program shall contain:

3.1. The list of the controlled parameters of the water quality and the related hygienic standards specified by these Sanitary Rules.

- microbiological and parasitological (Cl. 3.3, Table 1);
- organoleptic (Cl. 3.5, Table 4);
- radiological (Cl. 3.6, Table 5);
- composite (Cl. 3.4.1, Table 2);
- residual amounts of reagents (Cl. 3.4.1, Table 3);
- chemical substances selected for continuous control in accordance with the rules specified in Section 1 of this Supplement (Cl. 3.4.1, Table 2 and Cl. 3.4.3, Supplement 2 to the Sanitary Rules).

3.2. Methods for identification of the controlled parameters.

3.3. Layout of the water samples collection points at the withdrawal points before the water supply into the distribution network of the water system (in the clean-water reservoir) as well as at water supply points of the external and internal water supply network.

3.4. The amount of the controlled water samples and frequency of collection thereof for laboratory analyses (tests), the list of parameters identified in the tested water samples.

3.5. Calendar schedules for water samples collection and conduction of analyses (tests) thereof.

3.6. The amount of the controlled water samples and frequency of collection thereof shall be independently specified for each Water supply system considering the suggestions of the State Sanitary and Epidemiological Supervision Center, though these shall not be less than established in Cl. 4.3, Table 6, Cl. 4.4, Table 7 and Cl. 4.5 Table 8 of these Sanitary Rules.

4. Work Program shall provide for conduction of a monthly analysis of the water quality control results as well as shall specify the procedure for transfer of information about the control results to the water supply system management body, the State Sanitary and Epidemiological Supervision Center and local authorities.

5. Work Program shall be transferred for agreement to the State Sanitary and Epidemiological Supervision Center in the city or district for its further approval within the established procedure.

6. Work Program shall be approved for the period up to 5 years. Subject to agreement with the State Sanitary and Epidemiological Supervision Center modifications and amendments can be introduced into the Work Program within the mentioned period.

Supplement 2

(obligatory)

HYGIENIC STANDARDS FOR CONTENT OF HARMFUL SUBSTANCES IN DRINKING WATER

1. This list includes the hygienic standards for harmful substances in the drinking water. The list integrates separate chemical substances which can be present in the drinking water in their specified form and can be identified by modern analytic methods.

2. Chemical substances are arranged in the list in accordance with the structure of organic and inorganic compounds. Each subsection is the extension of the corresponding section. The substances within the subsections are arranged in ascending order of the numerical values of their standards.

If the structure of the organic substance molecule provides for its simultaneous assigning to several chemical class, then the substance is put in the list in accordance with its functional group with the maximum expansion index (as to the horizontal classification).

Organic acids including the pesticides are standardized as to the anion regardless of the form in which the acid is provided in the list (as an acid, acid ion or acid's salt).

Elements and cations (Cl. 1 of “Inorganic substances” section) are standardized cumulatively for all oxidation rates unless provided otherwise.

3. The list has the following vertical classification:

3.1. The first column of the list indicates the most frequently used names of chemical substances.

3.2. The second column provides synonyms of the chemical substances names and some common and generally accepted names.

3.3. The third column shows the MAC and the approximate permissible level (APL) in mg/l, where:

MAC is the maximum allowed concentration at which the substances have no direct or indirect influence on human health condition (subject to influence on the human organism for the whole life) and do not impair the hygienic conditions of water use;

APL (marked by the asterisk) are the approximate permissible levels of substances in the tap water determined on the basis of computational, express and experimental methods for the toxicity level forecast.

If the column of the standard level indicates «”None»”, it means that the concentration of such a compound in drinking water shall be less than the detection level of the testing method applied.

3.4. The fourth column specifies the limiting characteristic for the substances' hazard in accordance with which the standard was set:

- “s.-t.”—sanitary and toxicological;
- “org”—organoleptic with explanation of the water organoleptic attributes behavior (“odr”—changes the water odor; “clr”—colors the water; “fmg”—provides for foaming; “fm”—makes a film on the surface of the water; “flavr”—gives the water a flavour; “op”—produces opalescence).

3.5. The fifth column demonstrates the substance hazard category:

1st category—extremely hazardous;

2nd category—highly hazardous;

3rd category—hazardous;

4th category—moderately hazardous.

The classification is based on the parameters characterizing the different hazard level of chemical substances contaminating drinking water for people depending on toxicity, cumulativeness, ability to give rise to delayed actions and the hazard limiting value (HLV).

Substances hazard categories shall be considered at:

- selection of compounds to be primarily controlled in the drinking water;
- establishment of sequence of the water-protective measures requiring additional financial investments;
- substantiation of recommendations on replacement of highly hazardous substances to less hazardous in production processes;
- determining the priority of development of the selective methods for analytic control of substances in water.

HYGIENIC STANDARDS FOR

CONTENT OF HARMFUL SUBSTANCES IN DRINKING WATER

Substance name	Synonyms	Standard value in mg/l	Hazard parameter	Hazard category
1	2	3	4	5
Inorganic Substances				
1. Elements, cations				
Thallium		0.0001	s.-t.	2
Phosphorus, elemental		0.0001	s.-t.	1
Niobium		0.01	s.-t.	2
Tellurium		0.01	s.-t.	2
Samarium		0.024 <1>	s.-t.	2
Lithium		0.03	s.-t.	2
Stibium		0.05	s.-t.	2
Wolframium		0.05	s.-t.	2
Argentum		0.05	s.-t.	2
Vanadium		0.1	s.-t.	3
Bismuth		0.1	s.-t.	2
Cobalt		0.1	s.-t.	2
Rubidium		0.1	s.-t.	2
Europium		0.3 <1>	org. flavr.	4
Ammonia (as to nitro)		2.0	s.-t.	3
Chromium(Cr^{3+})		0.05	s.-t.	3
Silicium		10.0	s.-t.	2
Sodium		200.0	s.-t.	2
2. Anions				
Rhodanide ion		0.1	s.-t.	2
Chlorite ion		0.2	s.-t.	3

Bromide ion		0.2	s.-t.	2
Persulphate ion		0.5	s.-t.	2
Hexanitrocobaltate ion		1.0	s.-t.	2
Ferrocyanide ion		1.25	s.-t.	2
Hydrosulphide ion		3.0	s.-t.	2
Nitrite ion		3.0	org.	2
Perchlorate ion		5.0	s.-t.	2
Chlorate ion		20.0	org. flavr.	3
Sulphurated hydrogen	Hydrogen sulphide	0.003	org. odr.	4
Hydrogen dioxide	Hydrogen peroxide	0.1	s.-t.	2
Organic Substances				
1. Carbohydrates				
1.1. aliphatic				
Isoprene	2-methyl buta1,3diene	0.005	org. odr.	4
Butadiene-1,3	Divinyl	0.05	org. odr.	4
Butylene	But-1-ene	0.2	org. odr.	3
Ethylene	Ethene	0.5	org. odr.	3
Propylene	Propene	0.5	org. odr.	3
Isobutene	2-methylprop -1-ene	0.5	org. odr.	3
1.2. Closed-chain				
1.2.1. Alicyclic				
1.2.1.1. Mononucleate				
Cyclohexene	tetrohydro-benzene	0.02	s.-t.	2
Cyclohexane	Hexahydro-benzene, he-	0.1	s.-t.	2

	xamethylene			
1.2.1.2. Multinucleate				
Norbornene	2,3-Dicyclo (2.2.1)hep- tene	0.004	org. odr.	4
Dicycloheptadiene	Bicyclo (2,2,1)hepta -2,5-diene, norborna- diene	0.004	org. odr.	4
Dicyclopentadiene	Tricyclode- ka-3,8-diene 3a,4,7,7a- tetrahydro- 4,7-methano -1 H-inden	0.015	org. odr.	3
1.2.2. Aromatic				
1.2.2.1. Mononucleate				
Benzene		0.01	s.-t.	2
Ethylbenzene		0.01	org. flavr.	4
m-Diethylbenzene	1,3-Diethyl- benzene	0.04	org. odr.	4
Xylene	Dimethyl- benzene	0.05	org. odr.	3
Diisopropylbenzene	di-1-methyl- ethylbenzene	0.05	s.-t.	2
Monobenzyltoluene	3-Benzyl- toluene	0.08	org. odr.	2
Butylbenzene	1-Phenyl- butane	0.1	org. odr.	3
Isopropylbenzene	cumene, 1 - methylethyl- benzene	0.1	org. odr.	3
Styrole	Vinylbenzene	0.1	org. odr.	3
alpha-Methylstyrene	(1-Methylvi- nyl)benzene	0.1	org. flavr.	3
Propyl benzene	1-Phenyipro- pane	0.2	org. odr.	3

n-t-butyltoluene	1-(1,1-Di-methylethyl) 4-methylben zene,1 1-me thyl-4-t-butylbenzen	0.5	org. odr.	3
Toluene	Methyl-benzene	0.5	org. odr.	4
Dibenzyltoluene	[(3-Methyl4-benzyl)phe-nyl]phenyl - methane	0.6	org. odr.	3
1.2.2.2. Multinucleate				
Benz(a)pyrene		0.000-005	s.-t.	1
1.2.2.2.1. biphenyls				
Diphenyl	Biphenyl, phenyl-benzene	0.001	s.-t.	2
Alkylenediphenyl		0.4	org. film	2
1.2.2.2.2. condensated				
Naphthalene		0.01	org. odr.	4
2. Halogen-containing compounds				
2.1. Aliphatic				
2.1.1. Containing only maximum bonds				
Iodoform	Triiodo-methane	0.0002	org. odr.	4
Tetrachloroheptane		0.0025	org. odr.	4
1,1,1,9-Tetrachlorononane		0.003	org. odr.	4
Butyl chloride	1-chlor-butane	0.004	s.-t.	2
1,1,1,5-Tetrachloropentane		0.005	org. odr.	4
Tetrachloride carbon	Tetrachloro-methane	0.006	s.-t.	2

1,1,1,11-Tetrachlorohendecane		0.007	org. odr.	4
Hexachlorobutane		0.01	org. odr.	3
Hexachloroethane		0.01	org. odr.	4
1,1,1,3-Tetrachloropropane		0.01	org. odr.	4
1-Chloro-2,3-dibromopropane	1,2-Dibrom-3-chloropro-pane,nemagon	0.01	org. odr.	3
1,2,3,4-Tetrachlorobutane		0.02	s.-t.	2
Pentachlorobutane		0.02	org. odr.	3
Perchlorobutane		0.02	org. odr.	3
Pentachloropropane		0.03	org. odr.	3
Dichlorobromomethane		0.03	s.-t.	2
Chlorodibromomethane		0.03	s.-t.	2
1,2-Dibromo-1,1,5-trichloropentane	Ethyl bromide	0.04	org. odr.	3
1,2,3-Trichloro-propane		0.07	org. odr.	3
Trifluorochloro-propane	Freon 253	0.1	s.-t.	2
1,2-Dibromopropane		0.1	s.-t.	3
Bromoform	Tribromo-methane	0.1	s.-t.	2
Tetrachloroethane		0.2	org. odr.	4
Chloroethyl	Chloroethane ethyl-chloride,	0.2	s.-t.	4
1,2-Dichloropropane		0.4	s.-t.	2
1,2-Dichloroisobutane	2-Methyl-1,2 dichloro-propane	0.4	s.-t.	2
Dichloromethane	Methylene chloride	7.5	org. odr.	3

Difluorochloromethane	Freon-22	10.0	s.-t.	2
Difluorodichloro-methane	Freon-12	10.0	s.-t.	2
Methyl chloroform	1,1,1-tri-chloroethane	10.0 <1>	s.-t.	2
2.1.2. Containing double bonds				
Tetrachloropropene		0.002	s.-t.	2
2-Methyl-3-chloroprop-1-ene	Methallyl chloride	0.01	s.-t.	2
beta-Chloroprene	2-chlorobuta 1,3-diene	0.01	s.-t.	2
Hexachlorobutadiene	Perchlorobu-ta-1,3-diene	0.01	org. odr.	3
2,3,4-Trichloro-butene-1	2,3,4-Tri-chlorobut-1 -ene	0.02	s.-t.	2
2,3-Dichlorobutadiene-1,3	2,3-Dichloro buta-1,3-di-ene	0.03	s.-t.	2
1,1,5-Trichloro-pentene		0.04	org. odr.	3
Vinyl chloride	Chloroethene chloro-ethylene	0.05	s.-t.	2
1,3-Dichlorobutene-2	1,3-Dichloro but-2-ene	0.05	org. odr.	4
3,4-Dichlorobutene-1		0.2	s.-t.	2
Allyl chloride	3-chloroprop -1-ene	0.3	s.-t.	3
1,1-Dichloro-4-methylpentadiene-1,4	Diene-1,4	0.37	org. flavr.	3
Dichloropropene		0.4	s.-t.	2
3.3-Dichloroisobutylene	3.3-Dichloro 2-methyl-1-propene	0.4	s.-t.	2
1,3-Dichloroisobutylene	2-Methyl-1,3 dichloroprop	0.4	s.-t.	2

	-1-ene			
1,1-Dichloro-4-methylpentadiene-1.3	Diene-1,3	0.41	org. odr.	3
2.2. Closed-chain				
2.2.1. Alicyclic				
2.2.1.1. Mononucleate				
Hexachlorocyclo-pentadiene	1,2,3,4,5,5-Hexa-chloro-1,3-cyclopenta-diene	0.001	org. odr.	3
1,1-Dichlorocyclo-hexane		0.02	org. odr.	3
1,2,3,4,5,6-Hexachlorocyclohexane	Hexachlorane	0.02	org. odr.	4
Perchloromethylene-cyclopentene	4-(Dichloro-methylene)-1,2,3,3,5,5-Hexachloro-cyclopentene	0.05	org. odr.	4
Chlorocyclohexane		0.05	org. odr.	3
2.2.1.2. Multinucleate				
1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4-endo-exo-5,8-dimethanenaphthalene	1,4,4a,5,8,8a-Hexa-hydro-1,2,3,4,10,10-hexachloro-1,4,5,8-dimetha-nenaphtha-lene, aldrin	0.002	org. flavr.	3
1,4,5,6,7,8,8-Heptachlor-4,7-endo-methylene-3a,4,7,7a-tetrahydroine-tetrahydroindene	3a,4,7,7a-Tetrahydro-1,4,5,6,7,8,8-hepta-chloro-4,7-methano -1H-indene,hepta chlor	0.05	s.-t.	2
beta-Dihydroheptachlor	2,3,3a,4,7,7a-Hexa-hydro-2,4,5,6,7,8,8-heptachlor-	0.1	org. odr.	4

	4,7-methano indene, dichlor			
Polychloropinene		0.2	s.-t.	3
2.2.2. Aromatic				
2.2.2.1. Mononucleate				
2.2.2.1.1. with halogen atom in the nuclear				
2,5-Dichloro-n-t-butyltoluene	1,4-Dichloro 2-(1,1-dime-thyl)-5-me-thylbenzene	0.003	org. odr.	3
○-Dichlorobenzene	1,2-Dichloro benzene	0.002	org. odr.	3
Chlor-n-t-butyltoluene	1-Methyl-4-(1,1-dime-thylethyl)-2 benzene chloride	0.002	org. odr.	4
1,2,3,4-tetrachlorobenzene		0.01	s.-t.	2
Chlorobenzene		0.02	s.-t.	3
2,4-Dichlorotoluene	2,4-Dichlor-1-methylben zene	0.03	org. odr.	3
1,3,5-Trichlorobenzene		0.03	org. odr.	3
2,3,6-Trichlorotoluene		0.03	org. odr.	3
○- and n-Chlorotoluene	○- and n-chloro-methyl-benzene	0.2	s.-t.	3
2,3,6-Trichlor-n-t-butyltoluene		0.1	org. odr.	4
2.2.2.1.2. with halogen atom in the side chain				
Benzyl chloride	Chloromethyl benzene	0.001	s.-t.	2
Hexachlorometaxylene	1,3-Bis(tri-chloro-	0.008	org. odr.	4

	methyl) benzene			
Hexachloroparaxylene	1.4-Bis(tri-chloro-methyl) benzene	0.03	org. odr.	4
Benzotrichloride	Trifluoro-methyl-benzene	0.1	s.-t.	2
2.2.2.2. Multinucleate				
2.2.2.2.1. Biphenyls				
Monochlorodiphenyl	Monochloro-biphenyl	0.001	s.-t.	2
Dichlorodiphenyl	Dichlorobi-phenyl	0.001	s.-t.	2
Trichlorodiphenyl	Trichlorobi-phenyl	0.001	s.-t.	1
Pentachlorodiphenyl	Pentachloro-biphenyl	0.001	s.-t.	1
2.2.2.2.2. condensated				
2-2-Chloronaphthalene		0.01	org. odr.	4
3. Oxygen containing compounds				
3.1. Alcohols and simple ethers				
3.1.1. Monohydroxy alcohols				
3.1.1.1. Aliphatic alcohols				
3-Methyl-3-butene1ol	Isobutenyl-carbinol	0.004	s.-t.	2
Heptyl alcohol, regular	Heptan-1-ol hexyl-carbinol	0.005	s.-t.	2
3-Metal-1-butene-3-ol	2-Methylpro-2-pen-1-ol, dimethylvi-nylcarbinol, isoprene alcohol	0.005	s.-t.	2
Hexyl alcohol, regular	Hexan-1-ol, amylcarbi-	0.01	s.-t.	2

	nol, pentyl-carbinol			
Hexyl alcohol, secondary	1-Methylpen-tan-1-ol, hexan-2-ol, methylbuten-carbinol	0.01	s.-t.	2
Hexyl alcohol, tertiary	2-Methylpen-tan-2-ol, diethylme-thylcarbinol flotation reagent, TTS	0.01	s.-t.	2
Nonyl alcohol, regular	Nonan-1-ol, octylocarbi-nol	0.01	s.-t.	2
Octyl alcohol , regular	Octan-1-ol, heptylcarbi-nol	0.05	org. flavr.	3
Butyl alcohol, regular	Butan-1-ol, propylcarbi-nol	0.1	s.-t.	2
Allyl alcohol	Prop-2-en-1-ol, vinyl-carbinol	0.1	org. flavr.	3
Isobutyl alcohol	2-Methylpro-pan-1-ol, isopropyl-carbinol	0.15	s.-t.	2
Butyl alcohol, secondary	Butan-2-ol, methylisoby-butyl-carbinol	0.2	s.-t.	2
Propyl alcohol	Propan-1-ol, ethyl-carbinol	0.25	org. odr.	4
Isopropyl alcohol	Propan-2-ol, dimethylcar-binol	0.25	org. odr.	4
Butyl alcohol, tertiary	t-butyl alcohol , 1,1-dimethyl ethanol, tri methylcarbi-nol, 2-me-	1.0	s.-t.	2

	thylpropan-2-ol			
Amyl alcohol	Pentan-1-ol, butylkcarbinol	1.5	org. odr.	3
Methyl alcohol	Methanol, carbinol	3.0	s.-t.	2
3.1.1.1.1. Halogen substituted monohydroxy alcohols				
Ethylene chlorhydrin	1-Chlor-2-hydroxy-ethane,2-chloroethanol, 2-chlorethyl alcohol,chloromethylcarbinol, 1-chlorethan-2-ol	0.1	s.-t.	2
1,1,7-Trihydro dodecafluoroheptyl alcohol	P-3	0.1	org. odr.	4
1,1,3- Trihydro tetradecafluoro-тpropyl alcohol	P-1	0.25	org. odr.	3
1,1,5- Trihydro octafluoropentyl-alcohol	P-2	0.25	org. odr.	4
1,1,9- Trihydro hexadecafluorononyl alcohol	P-4	0.25	org. odr.	4
1,1,13- Trihydro tetraeicosafluorotridecyl alcohol	P-6	0.25	org. odr.	3
1,1,11- Trihydro eicosafluoroundecylic alcohol	P-5	0.5	org. odr.	3
beta,beta-Dichlor-isopropyl alcohol	1,3-Dichlor-propan-2-ol, dichlorohydrin, dichlormethylcarbinol	1.0	org. odr.	3
1,1-Dihydroperfluoro-heptyl alcohol	2,2,3,3,4,4,5,5,6,6,7,7,	4.0	s.-t.	2

	7-Trideca-fluoroheptan-1-ol			
3.1.1.2. Closed-chain				
3.1.1.2.1. Alicyclic				
Cyclohexanol	Hexahydro-phenol	0.5	s.-t.	2
3.1.1.2.2. Aromatic				
3.1.1.2.2.1. Mononucleate				
3.1.1.2.2.1.1. Phenols				
Phenol		0.001	org. odr.	4
m- and n-Cresol	m- and n-Methylphenol, 1-hydroxy-2 (and 4) methylphenol	0.004	s.-t.	2
o- and n-Propylphenol	1-Hydroxy-2 (and 4)-propyl benzene	0.01	org. odr.	4
Alkylenephenol		0.1	org.	3
Dimethylphenol	Xylenol	0.25	org. odr.	4
3.1.1.2.2.1.1.1. halogen substituted				
Chlorophenol		0.001	org. odr.	4
Dichlorophenol		0.002	org. flavr.	4
Trichlorophenol		0.004	org. flavr.	4
3.1.1.2.2.1.2. Containing a hydroxy group in the side chain				
3.1.1.2.2.1.2.1. Halogen substituted				
3.1.1.2.2.2. Condensated				
alpha-Naphthol	Napht-1-ol, 1-naphthol	0.1	org. odr.	3
3-Naphthol	Napht-1-ol, 2-naphthol	0.4	s.-t.	3

3.1.2. Simple ethers				
3.1.2.1. Aliphatic				
Ethylvinylbutyl-ether	1-Butoxi-but-1-en-3-ine, butoxi-butenine	0.002	org. odr.	4
Diethylacetal	1,1-Dietho-xoethane	0.1	org. odr.	4
Ethoxylate for pr. alch. C12 - C15		0.1	org. foam	4
Diethylether	Ethoxyethane	0.3	org. flavr.	4
Dimethyl ether	Methoxi-methane	5.0	s.-t.	4
3.1.2.1.1. Halogen substituted				
beta,beta-Dichlordi-ethyl ether	1,1'-Oxibis (2-chlor-ethane), chlorex	0.03 <1>	s.-t.	2
3.1.2.2. Aromatic				
Diphenylolpropane	4,4'-Isopro-pylidendi-phenol	0.01	org. flavr.	4
m-Phenoxitoluene	3-Phenoxi-toluene	0.04	org.	4
Anisol	Methoxyben-zene	0.05	s.-t.	3
3.1.3. Polyatomic alcohols and mixed compounds				
3.1.3.1. Aliphatic polyatomic alcohols				
2-Methyl2,3-butandiol	Methylbutan-diol	0.04	s.-t.	2
Glycerol	Trioxipro-pane,propan-triol	0.06 <1>	org. foam	4
Pentaerythritol	2,2-Dimethyl olpropandi-ol-1,3	0.1	s.-t.	2
Ethylene glycol	Ethan-1,2-	1.0	s.-t.	3

	diol			
1,4-Butindiol	But-2-in-1,4-diol	1.0	s.-t.	2
1,4-Butandiol	Butan-1,4-diol	5.0	s.-t.	2
3.1.3.1.1. Halogen substituted				
Monochlorohydrin	3-Chloropropan-1,2-diol, alpha-chlorohydrine	0.7	org. flavr.	3
3.1.3.2. Polyatomic phenols				
Pyrocatechol	1,2-Benzenediol, 1,2-dioxibenzene	0.1	org. clr.	4
Pyrogallol	1,2,3-Trioxibenzene	0.1	org. clr.	3
Hydroquinone	1,4-Dioxibenzene	0.2	org. clr.	4
5-Methylresorcine	5-Methyl1,3-benzenediol	1.0	org. clr.	4
3.1.3.2.1. Halogen substituted				
2,2-Bis-(4-hydroxi-3,5-dichlorphenyl)propane	Tetrachlorodiane	0.1	org. flavr.	4
3.1.3.3. Containing hydroxy and oxy groups				
3.1.3.3.1. Aliphatic				
2-allyloxiethyl alcohol		0.4	s.-t.	3
Diethylene glycol	2,2'-Oxidiethanol	1.0	s.-t.	3
Tetraethylene glycol	2,2'-Oxidiethylendioxidiethanol	1.0	s.-t.	3
Pentaethylene glycol	3,6,9,12-Tetraoxatetradecan-1.14-diol,	1.0	s.-t.	3

	ethylengly-coltetra-oxidiethyl ether			
3.1.3.3.2. Aromatic				
3-Phenoxibenzyl alcohol	3-Phenoxi-phenylmetha-nol,3-phen-oxiphenyl-carbinol	1.0 <1>	s.-t.	3
3.2. Aldehydes and ketones				
3.2.1. Containing only one oxy group				
3.2.1.1. Aliphatic				
3.2.1.1.1. Aliphatic compounds containing only maximum bonds				
Diethylketone	Pentan-3-one 3-oxopentane	0.1	org. odr.	4
Methylethylketone	Butan-2-one, 2-oxobutane	1.0	org. odr.	3
3.2.1.1.1.1. Halogen substituted				
Chloral	Trichlorace-taldehyde	0.2	s.-t.	2
Perfluoroheptanal-hydrate		0.5	s.-t.	2
3.2.1.1.1.2. Containing hydroxy and oxy groups				
Diacetone alcohol	4-Hydroxi-4-methylpen-ten-2-one	0.5 <1>	s.-t.	2
3.2.1.1.2. Containing a double bond				
Acrolein	Propenal, allyl aldehyde	0.02	s.-t.	1
Mesityl oxide	2-Methylpent-2-en-4-one	0.06 <1>	s.-t.	2
alpha-Ethyl-beta-ac-rolein	2-Ethylhexe-nal	0.2	org. odr.	4
beta-Methylacrolein	But-2-enal, croton	0.3	s.-t.	3

	aldehyde, 2-butenal			
3.2.1.2. Closed-chain				
3.2.1.2.1. Alicyclic				
Cyclohexanol		0.2	s.-t.	2
3.2.1.2.1.1. Halogen substituted				
Bromcamphora		0.5 <1>	org. odr.	3
3.2.1.2.2. Aromatic				
3.2.1.2.2.1. Containing mononucleate aromatic substitutes				
m-Phenoxibenzaldehyde	3-Phenoxi-benzaldehyde	0.02	s.-t.	2
Acetophenone		0.1	s.-t.	3
2,2-Dimethoxi-1,2-diphenylethanone	2,2-Dimetho-xi-2-phenyl-acetophenone	0.5 <1>	org. odr.	3
3.2.1.2.2.1.1. Halogen substituted				
m-Brombenzaldehyde	3-Bromben-zaldehyde	0.02	s.-t.	2
Pentachloracetopheno-ne	1-(Penta-chlorphenyl) ethanone	0.02	org. flavr.	3
3,3-Dimethyl-1-chlor-1-(4-chlorphenoxi)bu-tan-2-one		0.04	s.-t.	4
3.2.2. Containing more than one oxy group				
Tetrahydroquinone	Cyclohexan-1,4-dione, 1,4-dioxo-cyclohexane	0.05	org. odr.	3
Glutaric aldehyde	Glutaric dialdehyde	0.07	s.-t.	2
Acetylacetonates		2.0 <1>	s.-t.	2
Anthraquinones	9,10-Dihydro-9,10-dioxo-anthracene, 9,10-anthra-cendione	10,0	s.-t.	3

3.2.2.1. Halogen substituted				
2,3,5,6-Tetrachlor-n-benzoquinone	Chloranil, tetrachlor-quinone	0.01	org. clr.	3
2,3-Dichlor-5-dichlormethylene-2-cyclopenten-1,4-dione	4,5-Dichlor-2-(dichlormethylene)-4-cyclopent-ene-1,3-di-one, diketon	0.1	org. odr.	3
2,3-Dichlor-1,4-naphtoquinone		0.25	s.-t.	2
1-Chloranthraquinone		3.0	s.-t.	2
2-Chloranthraquinone	beta-Chlor-anthraqui-none	4.0	s.-t.	2
3.2.2.2. containing a hydroxy group				
1,5-Dihydroxyanthra-quinone	1,5-Dihydro-xi-9,10-anthracen-dione	0,1	org. clr.	3
1,8-Dihydroxianthraqui-none	Dantrone	0.25	org. clr.	3
1,2-Dihydroxianthraqui-none	1,2-Dihydro-xi-9,10-anthracendi-one,alizarin	3.0	s.-t.	2
1,4,5,8-Tetrahydroxianthra-quinone	1,4,5,8-Tet-rahydroxi-9,10-anthra-cendione	3.0	s.-t.	2
1,4-Dihydro-xianthraquinone	Quinizarine	4.0	s.-t.	2
3.3. Carboxylic acids and their derivative compounds				
3.3.1. Carboxylic acids and their ions				
3.3.1.1. Containing one carboxy group				
3.3.1.1.1. Aliphatic				
3.3.1.1.1.1. Containing only maximum bonds				

Stearinic acid, salt	octadecanoic acid, salt	0.25 <1>	org. susp.	4
3.3.1.1.1.1.1. Halogen substituted				
alpha, alpha, beta-trichlorpropionic acid	2,2,3-Tri-trichlorpro-pionic acid	0.01	org. flavr.	4
Chlorenantic acid	7-chloro-heptanic acid	0.05	org. odr.	4
Monochloracetic acid, salt	Chloracetic acid, salt	0.05	s.-t.	2
Chlorundecanoic acid	11-undecanoic acid	0.1	org. odr.	4
Chlorpelargonic acid	9-chlor-nonanic acid	0.3	org. odr.	4
Perfluorovaleric acid	Nonafluoro-pentanic acid, perfluoroper tanic acid	0.7	s.-t.	2
alpha-Monochlor-propionic acid	2-Chlorpro-pionic acid	0.8	org. flavr.	3
Hydroperfluoroenantic acid	2,2, 3,3,4,4,5,5, 6,6,7,7-do-decaftohep-tanic acid	1.0	s.-t.	2
Perfluoroenantic acid	Perfluoro-heptanic acid	1.0	s.-t.	2
2,2-dichlorpropionic acid, sodium salt	Dalapon	2.0	org. odr.	3
Trichloroacetic acid, salt		5.0	org. odr.	4

3.3.1.1.1.1.2. Containing aromatic substitutes				
3.3.1.1.1.1.3. containing hydroxi-, oxi- and oxogroups		2.0		
5-(2,5-dimethyl-phenoxi)-2,2-dimethylpentanic acid	Gemfibrozil	0.001	s.-t.	1
Phenoxiacetic acid	Glycolic acid,phenide hydroxi-acetic acid, phenide	1.0	s.-t.	2
2-(alphanaphtoxi)-propionic acid	2-(1-naphtalinyloxi)propionic acid	2.0	s.-t.	2
3.3.1.1.1.1.3.1. Halogen substituted				
2,4-dichlorphenoxi alpha-oleic acid	4-(2,4-dichlorphen-oxi)oleic acid,2,4DM	0.01	s.-t.	2
2-Methyl-4-chlorphen-oxioleic acid	4-(2-methyl-phenoxi)-4-chlorbutanic acid, tropotox	0.03	org. odr.	3
2,4-Dichlorphenoxi-alpha-propionic acid	2-(2,4-dichlorphen-oxi)propio-nic acid 2,4-DP	0.5	org. flavr.	3
3.3.1.1.1.2. Containing olefinic bonds				
Acrylic acid	Propan-2-en-carbonic acid	0.5	s.-t.	2
Metacrylic acid	2-methylpropan-2-en-carbonic acid	1.0	s.-t.	3

3.3.1.1.1.2.1. Oxo and halogen containing compounds				
alpha, beta-dichlor-beta-forminacrylic acid	4-oxo-2,3-dichloriso-crotonic acid, mucochloric acid	1.0	s.-t.	2
3.3.1.1.2. Closed-chain				
3.3.1.1.2.1. Alicyclic				
Chrisanthemic acid, salt	2,2-dimethyl 3-propenyl-1-cyclopro-pancarbonic acid, salt; 3-Isobutenyl 2,2-dimethyl 1-cyclopro-pan-carbonic acid, salt	0.8	s.-t.	3
Naphthenic acids		1.0	org. odr.	4
3.3.1.1.2.2. Aromatic				
Benzene monocarbonic acid, salt		0.6	org. flavr.	4
3.3.1.1.2.2.1. Halogen substituted				
2-chlorbenzene carbonic acid	○-chlorbenz-ene carbonic acid	1.0	org. flavr.	4
4-chlorbenzene 4-carbonic acid	n-chlorbenz-ene carbonic acid	0.2	org. flavr.	4
2,3,6- trichlorbenze ne carbonic acid		1.0	s.-t.	2
3.3.1.1.2.2.2. containing hydroxy, oxy and oxo groups				
2-hydroxi-3,6-dichlor benzene carbonic acid		0.5	org. clr.	3
2-Metoxy-3,6-dichlor-dichlorbenzene carbonic acid	2-Metoxy-3,6 dichlorben-zene carbo-nic acid,	15.0	s.-t.	2

	dianat			
3.3.1.2. Polyatomic acids				
3.3.1.2.1. Aliphatic				
Maleinic acid	Cisbutendio-ic acid	1.0	org. odr.	4
Adipic acid, salt	Hexandioic acid, salt; 1,4-butan-dicarbonic acid, salt	1.0	s.-t.	3
Sebacylic acid	1,8-Octan-dicarbonic acid	1.5	s.-t.	3
3.3.1.2.2. Aromatic				
3.3.1.2.2.1. Halogen substituted				
3.3.2. Compound ethers				
3.3.2.1. Compound ethers of monoatomic acids				
3.3.2.1.1. Aliphatic				
3.3.2.1.1.1. Maximum				
3.3.2.1.1.1.1. Unsubstituted				
3.3.2.1.1.1.1.1. Alcohols containing only maximum bonds				
Methyl acetate	Acetic acid, methyl ether; methyl ether of acetic acid	0.1	s.-t.	3
Ethyl acetate	Acetic acid, ethyl ether; ethyl ether of acetic acid	0.2	s.-t.	2
3.3.2.1.1.1.1.2. Containing double bonds				

Cis-8-dodecynyl-acetate	Acetic acid, Z-dodec-8-enylic ether; Z-dodec-8-enylic ether of acetic acid; Denacil	0.00001	org. odr.	4
Vinyl acetate	Acetic acid, vinyl ether; vinyl ether of acetic acid	0.2	s.-t.	2
3.3.2.1.1.1.1.3. of polyatomic alcohols				
3.3.2.1.1.1.1.4. alcohols containing hydroxy, oxy and oxo groups		0.6		
Ethylidendiacetate	Acetic acid, 1-acetoxi-ethyl ether; acetoxi-ethyl ether of acetic acid	0.6	s.-t.	2
3.3.2.1.1.1.2. of halogen substituted compounds				
2,4,5-Trichlorphenoxiethyl-alpha,alpha-dichlorpropionate	2,2-dichlor-dichlorpropionic acid,2-(2,4,5-trichlorphe-oxi)ethyl ether; 2-(2,4,5-trichlorphe-oxi)ethyl ether of 2,2-dichlor-propionic acid;	2.5	s.-t.	3

	pentanate			
2,4,5-Trichlorphenoxiethyltrichloracetate	Acetic acid, trichlor-2-(2,4,5-trichlorphenoxi) ethyl ether; trichlor-2(2,4,5-trichlorphenoxi) ethyl ether of acetic acid; hexanate	5.0	s.-t.	3
3.3.2.1.1.1.3. Containing hydroxy, oxy and oxo groups				
Ethyl ether of of lactic acid	2-hydroxipropanic acid, ethyl ether	0.4	s.-t.	3
Acetylacetic acid, methyl ether	Methylacetoacetate, methyl ether of acetylacetic acid	0.5 <1>	s.-t.	2
Isopropyl ether of lactic acid	1-hydroxipropanic acid, 1-methylethyl ether	1.0	s.-t.	3
Acetopropylacetate	Acetic acid, 4-oxopentyl ether 4-oxopentyl ether of acetic acid	2.8 <1>	s.-t.	2
3.3.2.1.1.1.3.1. of halogen substituted compounds				
gamma-Chlorocrotyl ether of dichlorphenoxiacetic acid	4-Chlorbut-2enyl ether of 2,4-dichlorphenoxi acetic acid; crotylin	0.02	org. odr.	4

alpha-methylbenzyl ether of 2-chloracetyl-acetic acid	2-Chlor-3-oxooleic acid, 1-phenyl-ethyl ether	0.15	s.-t.	2
Octyl ether of 2,4-dichlorphenoxi-acetic acid	2,4-dichlor-phenoxi-acetic acid, octyl ether	0.2	org. odr.	3
Butyl ether of 2,4-dichlorphenoxi-acetic acid	2,4-dichlor-phenoxi-acetic acid, butyl ether; butyl ether 2,4-D; 2,4-DB	0.5	org. odr.	3
3.3.2.1.1.2. Containing double or triple bonds				
3.3.2.1.1.2.1. of monohydroxy alcohols				
Ethyl acrylate	Acrylic acid, ethyl ether; ethyl ether of acrylic acid	0.005	org. odr.	4
Ethyl ether of 3,3-dimethyl-4,6,6-trichlor-5-hexenic acid	3,3-dimethyl-4,6,6-tri-6-chlor-5-hexenic acid ethyl ether	0.008	org. odr.	3
Butyl acrylate	Acrylic acid, butyl ether; butyl ether of acrylic acid	0.01	org. flavr.	4
Methylmetacrylate	2-methyl-2-propenic acid, methyl ether;	0.01	s.-t.	2

	methyl ether of metacrylic acid			
Butyl ether of metacrylic acid	Metacrylic acid, butyl ether	0.02	org. odr.	4
Methyl acrylate	Acrylic acid, methyl ether; methyl ether of acrylic acid	0.02	org. odr.	4
Ethyl ether of beta, beta-dimethyl acrylic acid	Ethyl ether of 3-methyl-byt-2-enic acid	0.4	org. odr.	3
3.3.2.1.1.2.2. of polyatomic alcohols				
Monometacrylic ether of ethylene glycol	Metacrylic acid, 2-hydroxy-ethyl ether	0.03	s.-t.	4
3.3.2.1.2. Closed-chain				
3.3.2.1.2.1. Alicyclic				
Methyl ether of 2,2-dimethyl-3-propenyl-1-cyclopropancarbonic acid	2,2-dimethyl-3-(2-methyl-prop-1-enyl)-cyclopropan-1-carbonic, methyl ether; methyl ether of chrisan-themic acid; methylchri-santemate	0.61	org. odr.	4
3.3.2.1.2.1.1. Containing oxogroups				

3.3.2.1.2.2. Aromatic				
Methyl benzoate	Benzoic acid, methyl ether; methyl ether of benzoic acid, neobon oil	0.05	org. flavr.	4
n-toluic acid, methyl ether	4-methyl-benzoic acid methyl ether; methyl ether of n-toluic acid	0.05	org. flavr.	4
3.3.2.1.2.2.1. Containing aromatic substitute in alcohol				
3.3.2.2. Compound ethers of dibasic acids				
3.3.2.2.1. Aliphatic				
3.3.2.2.1.1. Maximum				
3.3.2.2.1.1.1. Maximum aliphatic alcohols				
3.3.2.2.1.1.2. Olefinic alcohols				
3.3.2.2.1.2. containing double or triple bonds		1.0		
Diethyl ether of maleinic acid	Maleinic acid, diethyl ether	1.0	s.-t.	2
3.3.2.2.2. Aromatic				
Dimethylphthalate	Phthalic acid, dimethyl ether; dimethyl ether of phthalic acid	0.3	s.-t.	3
Diethyl ether of tetrachlortere-	Tetrachlor-terephthalic	1.0	s.-t.	3

phthalic acid	acid, dimethyl ether; dacthal W-75; chlorthalme-thyl			
Dimethylterephthalate	Terephthalic acid, dimethyl ether; dimethyl ether of terephthalic acid	1.5	org. odr.	4
3.3.3. Anhydrides and acid halides				
Diacyl chloride of terephthalic acid	Terephthalic acid, dichlor-anhydride; terephtha-loylchloride ; 1,4-ben-zenedicarbo-nyldichlo-ride	0.02	org. odr.	4
Diacyl chloride of 2,3,5,6-tetrachlorterephtha-acid	2,3,5,6-tetrachlor-terephthalic acid, di-chloranhyd-ride; 2,3,5, 6-tetrachlor terephtha-loyl di-chloride; 2,3,5,6-tet-rachlor-1,4-benzendicar-bonyl-dichloride	0.02	org. odr.	4
Diacyl chloride of isophthalic acid	Isophthalic acid, dichloranhyd ride;isoph-thaloylchlo-ride; 1,3-benzenedicar bonyl-dichloride	0.08	org. odr.	4

4. Nitrogen containing compounds				
4.1. Amines and their salts				
4.1.1. Primary				
4.1.1.1. Containing one aminogroup				
4.1.1.1.1. Aliphatic				
4.1.1.1.1.1. Containing only maximum bonds				
Amines C16 - C20		0.03	org. odr.	4
Amines C10 - C15		0.04	org. odr.	4
Monoisopropanolamine	2-Methyl-1-propanamine	0.04	org. flavr.	3
Amines C7 - C9		0.1	org. odr.	3
Monopropylamine	Propylamine	0.5	org. odr.	3
Monoethylamine	Ethylamine	0.5	org. odr.	3
t-Butylamine		1.0	s.-t.	3
Monomethylamine	Methylamine	1.0	s.-t.	3
Isopropylamine		2.0	s.-t.	3
Monobutylamine	Butylamine	4.0	org. odr.	3
4.1.1.1.1.1.1. Containing oxy-, oxo- and carboxygroups				
Isopropanolamine	1-Amino-2-hydroxy-propane	0.3	s.-t.	2
Monoethanolamine	2-Amino-ethanol	0.5	s.-t.	2
4.1.1.1.1.2. Containing olefinic bonds				
Monoallylamine	Allylamine	0.005	s.-t.	2
4.1.1.1.1.2.1. Containing oxy-, oxo-, hyndroxy and carboxygroups				
Vinyl ether of monoethanolamine	2-(Ethenyl-oxy)ethana-mine,1-vinyl oxy-2-amino-ethane	0.006	org. odr.	3
4.1.1.1.1.2.2. Acid amides				

Acrylamide	Propenamide, Acrylic acid, amide	0.01	s.-t.	2
Metacrylamide	Metacrylic acid, amide	0.1	s.-t.	2
Methylolmetacrylamide	4-Hydroxy-2-methylbu-ten-2-nic acid, amide	0.1	s.-t.	2
N,N-Dimethyl-aminomethylacrylamide	KF-6	2.0	s.-t.	2
4.1.1.1.2. Closed-chain				
4.1.1.1.2.1. Alicyclic				
4.1.1.1.2.2. Aromatic				
4.1.1.1.2.2.1. Mononucleate				
Alkylaniline		0.003	s.-t.	2
2,4,6-Trimethylaniline	2,4,6-Trime-thylaniline, mesidine	0.01	s.-t.	2
Aniline	Phenylamine, aminobenzene	0.1	s.-t.	2
n-Butylaniline	n-Aminobu-thylbenzene	0.4	org. odr.	3
m-Toluidine	3-Methyl-aniline	0.6	s.-t.	2
n-Toluidine	4-Methyl-aniline, m-aminomethyl-benzene	0.6	org. odr.	3
4.1.1.1.2.2.1.1. Halogen substituted				
Dichloraniline	Dichlorben-benzenamine	0.05	org.	3
Bromotoluene	Bromotolue-dine(mix of o,m,n-isomers)	0.05 <1>	org. odr.	4

m-Trifluoromethyl-aniline	3-(Trifluoromethyl)ben-benzenamine, 3-aminoben-zotri-fluoride	0.02	s.-t.	2
m-Chloraniline	3-Chloro-benzenamine	0.2	s.-t.	2
n-Chloraniline	4-Chloro-benzenamine	0.2	s.-t.	2
2,4,6-Tri-chloroaniline	2,4,6-Tri-chloroben-zenamine	0.8	org. flavr.	3
2,4,5-Tri-chloroaniline	2,4,5-Tri-chlorben-zenamine	1.0	org. film	4
4.1.1.1.2.2.1.2. Containing hydroxy, oxy, oxo and carboxygroups				
o-Aminophenol	1-Amino-2-hydroxyben-zene, o-hyd-oxy-aniline	0.01	org. clr.	4
n-Anisidine	4-Methoxy-aniline	0.02	s.-t.	2
o-Anisidine	2-Methoxy-aniline	0.02	s.-t.	2
n-Phenetidine	4-Ethoxy-aniline, amino-phenetol	0.02	s.-t.	2
n-Aminophenol		0.05	org. clr.	4
Phenylhydroxylamine	N-Phenylhyd-roxylamine	0.1	s.-t.	3
m-Aminophenol	1-Amino-3-hydroxyben-zene, hydro-xyaniline	0.1 <1>	org. clr.	4
4-Aminobenzoic acid		0.1	s.-t.	3
5-Aminosalicylic acid	5-Amino-2-hydroxy-	0.5	org. clr.	4

	benzoic acid			
3-Aminobenzoic acid		10.0	org. clr.	4
4.1.1.1.2.2.1.2.1. Halogen substituted				
4-Amino-3-chlorphenol		0.1	org. clr.	4
4.1.1.1.2.2.1.3. Acid amides				
Benzamide		0.2 <1>	s.-t.	3
4.1.1.1.2.2.2. Aromatic condensated				
1-Aminoanthraquinone		10.0	s.-t.	2
4.1.1.2. Containig two or more aminogroups				
4.1.1.2.1. Aliphatic				
4.1.1.2.1.1. Containing only maximum bonds				
Hexamethylenediamine	1,6-Diamino-hexane	0.01	s.-t.	2
Hydrazine		0.01	s.-t.	2
1,12-Dodecamethylendiamine	1,12-Dodecandiamine, 1,12-diamino dodecane	0.05	s.-t.	3
Ethylendiamine	1,2-Diamino-ethane	0.02	org. odr.	4
4.1.1.2.1.1.1. Containing hydroxy, oxy, oxo and carboxygroups				
Tetraoxypropylethy-lendiamine	Lapromol 294	2.0	s.-t.	2
4.1.1.2.1.1.2. Acid amides				
4.1.1.2.1.2. Containing olefinic bonds				
Diallylamine		0.01	s.-t.	2
Alkylpropylendiamine		0.16	org. odr.	4
4.1.1.2.2. Aromatic				
4.1.1.2.2.1. Mononucleate				
o-Phenylendiamine	1,2-Diamino-	0.01	org. clr.	3

	benzene, phenylen-1,2-diamine			
Phenylhydrazine		0.01	s.-t.	3
4,4'- Diamino-diphenyl ether	4,4'-Oxy-bisbenzen-amine	0.03	s.-t.	2
m,n-Phenylendiamine	Diaminoben-zene, pheny-lendiamine	0.1	s.-t.	2
4.1.1.2.2.2. Condensated multinucleate				
1,4-Diamino-anthraquinone	1,4-Diamino-9,10-anthra-cendione	0.02	org. clr.	3
1.5-Diamino-anthraquinone	1.5-Diamino-9,10-anthra-cendione	0.2	org. clr.	4
4.1.2. Secondary				
4.1.2.1. Containing only aliphatic substitutes				
Diisobutylamine	Bis(2-methyl propyl)-amine, 2-methyl-M-(2-methylpropyl)-1-propan-amine	0.07	org. flavr.	4
Dimethylamine		0.1	s.-t.	2
Isopropyloctadecyl-amine	N-Isopropyl-octadecyl-amine	0.1	org. film	4
Diethyltriamine	N-(2-amino-ethyl)-1,2-ethanedi-amine, 2,2'-diami-nodiethyl-amine	0.2	org. odr.	4
Dipropylamine	N-propyl-1-propanamine	0.5	org. flavr.	3
Diisopropylamine	M-Isopropyl-1-isopropan-amine	0.5	s.-t.	3

Ethylbutylamine	N-Ethyl-1-butanamine	0.5	org. flavr.	3
Dibutylamine	N-Butyl-1-butanamine	1.0	org. odr.	3
Diethylamine		2.0	s.-t.	3
4.1.2.1.1. Containing hydroxy, oxy, oxo and carboxygroups				
Diethanolamine		0.8	org. flavr.	4
4.1.2.1.2. Oxymes				
Acetoxyme		8.0	s.-t.	2
4.1.2.1.3. Hydroxamic acids				
4.1.2.2. Containing closed chain substitutes				
4.1.2.2.1. Containing alicyclic substitutes				
N-Ethylcyclohexyl-amine		0.1	s.-t.	4
4.1.2.2.1.1. Urea derivatives with one alicyclic substitute				
4.1.2.2.2. Containing mononucleate aromatic substitutes				
4-Aminodiphenylamine	N-Phenyl-1,4 benzenedi-amine, N-phenyl -n-phenylen-diamine	0.005	s.-t.	2
Diphenylamine	N-Phenylben-benzenamine	0.05	org. odr.	3
N-Methylaniline		0.3	org. odr.	2
N-Ethyl-○-toluidine	N-Ethyl-2-methyl-aniline	0.3	org. odr.	3
N-Ethylmetatoluidine	3-Methyl-N-ethylaniline	0.6	s.-t.	2
N-Ethylaniline	N-Ethylben-zenamine	1.5	org. odr.	3
4.1.2.2.2.1. Containing hydroxy, oxy, oxo and carboxygroups				

4-Amino-2-(2-hydroxyethyl)-N-ethylaniline sulphite		0.2	org. odr.	3
n-Acetaminophenol	Acetic acid, (4-hydroxy-phenyl)-amide; para-cetamol; 4-acetamido-phenol	1.0	org. flavr.	3
N-Acetyl-2-aminophenol		2.5	org. clr.	4
4.1.2.2.2.2. Oxymes				
Cyanbenzaldehyde oxyme, sodium salt		0.03	org. odr.	4
n-Quinone-dioxyme	2,5-Cyclo-hexanediene-1,4-dione dioxyme	0.1	s.-t.	3
Cyclohexane-oxyme		1.0	s.-t.	2
4.1.2.2.2.3. Acid amides				
3-Chlor-2,4-dimethyl-valerateaniline	2-Methyl 2-methylpen-tanic acid, 4-methyl-3-chlor-anilide; solan	0.1	org. odr.	4
Anilide of salicylic acid		2.5	org. odr.	3
4.1.2.2.2.4. Urea derivatives with one aromatic substitute				
m-Trifluoromethyl-phenylurea	1-(3-Trifluorome-thylphenyl) urea	0.03	org. flavr.	4
4-Chlor-2-butynyl-N-(3-chlorphenyl)-carbamate	4-Chlorphe-nylcarbamic acid, 4-chloro-but-2-ynic ether,	0.03	org. odr.	4

	carbine			
3-Methylphenyl-N-methylcarbamate	Methylcarbamic acid, methylphenyl ether; dicresyl	0.1	org. odr.	3
Isopropylphenyl-carbamate	Phenyl-carbamic acid, isopropylic ether	0.2	org. odr.	4
Isopropylchlorophenyl carbamate	3-chloro-phenyl carbamic acid, isopropylic ether	1.0	org. odr.	4
Oxyphenylmethylurea	1-Hydroxy-3-methyl-1-phenyl urea; meturine	1.0	s.-t.	3
3-Methoxycarbamido-phenyl-N-phenylcarbamate	3-tolylcarbamic acid, 3-(N-methoxycarbonyl-amino)phenyl ether; Phenmedipham	2.0	s.-t.	3
4.1.2.2.3. Containing polynuclear aromatic substitutes				
1-Chlor-4-benzoilaminoanthra-quinone		2.5	s.-t.	3
4.1.2.2.3.1. Urea derivates with condensated aromatic substitute				
1-Naphthyl-N-methylcarbamate	Methylcarbamic acid, naphth-1-ylic ether; sevin	0.1	org. odr.	4
4.1.3. Tertiary				
4.1.3.1. Containing only aliphatic substitutes				

Triallylamine		0.01	s.-t.	2
1-Butylbiguanidine hydrochloride	Glybutide	0.01 <1>	s.-t.	2
Triisooctylamine	N,N-Diisooc-tyl isoocta-amine	0.025	s.-t.	2
Trimethylamine		0.05	org. odr.	4
Trialkylamine C7 - C9		0.1	s.-t.	3
Alkyldimethylamine		0.2	s.-t.	3
N,N'-Diethyl-guanidine, muriatic	1,2-Diethyl guanidine monohydro-chloride	0.8	s.-t.	3
Tributylamine		0.9	org. odr.	3
Triethylamine		2.0	s.-t.	2
4.1.3.1.1. Nitriles				
Malononitrile	Propanedi-nitrile, di-cyano methane	0.02	s.-t.	2
Acetonecyanohydrin	2-hydroxy-2-methylpro-panic acid, nitrile; 2-hydroxy-methylpro-panonitrile, nitrile of hydroxy-isobutyric acid	0.035	s.-t.	2
Alkylaminopro-pionitrile C17 - C20		0,05	org. foam	4
Dinitrile of adipic acid		0.1	s.-t.	2
Allyl cyanide	But-3-enic acid, nitrile	0.1	s.-t.	2
Isocrotononitrile	2-Methyl-2-propen-	0.1	s.-t.	2

	nitrile			
Crotonitrile	But-2-enic acid, nitrile	0.1	s.-t.	2
Succinonitrile	Butanedinit-rile	0.2	s.-t.	2
Acetonitrile	Acetic acid, nitrile	0.7	org. odr.	3
Calcium cyanamide	Carbamic acid nitrile, compound with calcium	1.0	s.-t.	3
Acrylic acid nitrile		2.0	s.-t.	2
Dicyandiamide	Cyanoguani-dine	10.0	org. flavr.	4
4.1.3.1.2. Containing hydroxy, oxy, oxo and carboxygroups				
Triisopropanolamine	Tripropyl-amine	0.5	s.-t.	2
Triethanolamine		1.0	org. flavr.	4
Ethyl ether of N-benzoil-N-(3,4-dichlorphenyl)-2-aminopropionic acid	Ethyl-N-ben-zoil-N-(3,4-dichlor-phenyl) alaninate, suffix	1.0	s.-t.	2
Methyldiethanolamine	Bis(2-hydro-xyethyl)me-thylamine, 2,2-(M-me-thylamino) diethanol	1.0	s.-t.	2
4.1.3.1.3. Amides				
Dimethylacetoamide		0.4	s.-t.	2
Diethylamide 2-(alpha naphtoxy) propionic acid	N,N-Diethyl-2-(1-naphta-lenyloxy)-propanamide	1.0	s.-t.	2

4.1.3.1.4. Urea derivatives with several aliphatic substitutes				
N,N-Dimethylurea	1,3-Dimethyl urea	1.0	s.-t.	2
N,N-Diethyl carbamylchloride		6.0	s.-t.	2
4.1.3.2. Containing closed chain substitutes				
4.1.3.2.1. Urea derivatives with alicyclic substitutes				
3-(Hexahydro-4,7-methanindan-5-yl)-1,1-dimethylurea	Herban	2.0	s.-t.	2
4.1.3.2.2. Containing aromatic substitutes				
N,N-Dimethyl-n phenylendiamin-sulphate	CPV, 1,4-amonodiethy-lanilinsul-phate	0.1	s.-t.	2
N,N-Diethylaniline	N,N-Diethyl-benzenamine	0.15	org. clr.	3
Alkylbenzyldimethyl-ammonium chloride C10-C16		0.3	org. foam	3
Alkylbenzyldimethyl-ammonium chloride C17-C20		0.5	org. foam	3
N-(C7 - C9)Alkyl-N-phenyl-n-phenylendiamine	C-789 product	0.9 <1>	org. clr.	3
Ethylbenzylaniline	N-Phenyl-N-ethylbenzen-methanamine	4.0	s.-t.	2
4.1.3.2.2.1. Nitriles, isonitriles				
Benzyl cyanide	Isocyano-methyl-benzene	0.03	org. odr.	4
Dinitrile of isoph-thalic acid	1,3-Benzene-dicarbonit-rile, iso-phthalonit-rile, 1,3-di cyanobenzene	5.0	s.-t.	3

4.1.3.2.2.2. Amides				
4.1.3.2.2.3. Urea derivatives with one or several aromatic substitutes				
Diphenylurea	N,N-Diphenyl urea, carbanilide	0.2	org. odr.	4
N-Trifluoromethyl-phenyl-N',N'-dimethylurea	1,1-Dimethyl 3-(3-triflu-oromethyl-phenyl)urea, cotoran	0.3	org. film	4
Diethylphenylurea	Centralite	0.5	org. flavr.	4
N'-(3,4-Dichlor-phenyl)-N,N-dimethylurea	1,1-Dimethyl 3-(3,4-di - chloro-phenyl) urea, diuron	1.0	org. odr.	4
4.1.4. Quaternary ammonium salts				
Nitrate of methyltri-alkyl ammonium		0.01	s.-t.	2
Alkyltrimethyl-ammonium chloride		0.2	s.-t.	2
Chlorcholine chloride	N,N,N-Trime-thyl-N-(2-chloroethyl) ammonium chloride	0.2	s.-t.	2
4.2. Oxygen and nitrogen containing compounds				
4.2.1. Nitro- and nitroso compounds				
4.2.1.1. Aliphatic				
Nitromethane		0.005	org. odr.	4
Trinitromethane	Nitroform	0.01	org. clr.	3
Tetranitromethane		0.5	org. odr.	4
Nitropropane		1.0	s.-t.	3
Nitroethane		1.0	s.-t.	2
4.2.1.1.1. Containing hydroxy, oxy, oxo and carboxygroups				

Dinitrodiethyleneglycol	Dihydroxyethyl ether dinitrate, diethylenglycol dinitrate	1.0	s.-t.	3
Dinitrotriethylenglycol		1.0	s.-t.	3
4.2.2. Closed-chain				
4.2.2.1. Alicyclic				
Chloronitrosocyclohexane	1-Nitroso-1-chlorocyclohexane	0.005	org. odr.	4
Nitrocyclohexane		0.1	s.-t.	2
4.2.1.2.2. Aromatic				
4.2.1.2.2.1. Mononucleate				
Nitrobenzene		0.2	s.-t.	3
Trinitrobenzene		0.4	s.-t.	2
Dinitrobenzene		0.5	org. odr.	4
2,4-Dinitrotoluene		0.5	s.-t.	2
4.2.1.2.2.1.1. Halogen substituted				
n-Trifluoromethylnitrobenzene	1-Nitro-3-trifluoromethyl-benzene	0.01	org. odr.	3
Nitrochlorobenzene	Nitrochlorobenzene (mix of 2,3,4 isomers)	0.05	s.-t.	3
Nitroisophenol		0.1	org. clr.	3
2.5-Dichloronitrobenzene	1.4-Dichloro 2-nitrobenzene	0.1	s.-t.	2
3,4-Dichloronitrobenzene	4-Nitro-1,2-dichlorobenzene	0.1	s.-t.	3
Dinitrochlorobenzene	2,4-Dinitro-	0.5	org. odr.	3

	1-benzene chloride			
4.2.1.2.2.1.2. Containing hydroxy, oxy, oxo and carboxygroups				
n-Nitrophenetol	4-Nitro-ethoxy-benzene	0.002	s.-t.	2
n-Nitrophenetol	4-Nitro-phenol	0.02 0.02	s.-t. s.-t.	2 2
2-sec-Butyl-4,6-dinitrophenyl-3,3-dimethylacrylate	2-(1-Methyl-propyl)-4,6-dinitrophe-nyl-3-methyl-2-butenoate, morocide, acricide, endosane, 2-sec-butyl-4,6-dinitro-phenyl-3-methyl-crotonate	0.03	s.-t.	2
2,4-Dinitrophenol		0.03	s.-t.	3
2-Methyl-4.6-dinitrophenol		0.05	s.-t.	2
m-Nitrophenetol	3-Nitro-phenol	0.06	s.-t.	2
o-Nitrophenetol	2-Nitro-phenol	0.06	s.-t.	2
n-Nitroanisole	4-Nitrometh-oxybenzene	0.1	org. flavr.	3
2-(1-Methyl-propyl)-4,6-dinitrophenol	Dinoseb	0.1	org. clr.	4
m-Nitrobenzoic acid	3-Nitro-benzoic acid	0.1	org. clr.	4
n- Nitrobenzoic acid	4-Nitro-benzoic acid	0.1	s.-t.	3
Methylethyl-[2-(1-	2-sec-butyl-	0.2	org.	4

ethylmethylpropyl)-4,6-dinitrophenyl] carbonate	4,6-dinitro-phenylic acid, isopropyl ether; dinobutone; citazole; acrex		film	
o-Nitroanisole	2-Nitroani-sole	0.3	org. flavr.	3
2,4,6-Trinitrophenol	Picronitric acid	0.5	org. clr.	3
2-[(n-Nitrophe-nyl)acetylamino] ethan-1-ol	Oxyacetyl-amine	1.0	org. odr.	4
4.2.1.2.2.1.2.1. Halogen substituted				
n-Nitrophenylchloro-meticarbinol	4-Nitro-alpha-chloromethyl benzenmetha-nol; [1-(4-nitro-phenyl)] -2-chloretha-1-ol	0.2	org. odr.	4
3-Nitro-4-chloro-benzoic acid		0.25	org. flavr.	3
5-Nitro-2-chloro-benzoic acid		0.3	org. flavr.	4
2,5-Dichlor-3-nitrobenzoic acid		2.0	s.-t.	2
2,4-Dichlorophenyl- 4-nitrophenylic ether	2,4-Dichlor-1-(4-nitro-phenoxy) benzene, nitro-chlor, Tokkorn	4.0	s.-t.	2
4.2.1.2.2.1.3. Containing amino-, imino- and diazogroups				
4-Nitro-N,N-diethylaniline		0.002	org. clr.	3
2-Nitroaniline	o-Nitroani-	0.01	org. clr.	3

	line			
N-Nitroisodi-phenylamine	Diphenyl-nitrosamine	0.01	s.-t.	2
2,4-Dinitro-2,4-diazopentane	N,N'-Dime-thyl-N,N-dinitrome-thandiamine	0.02	s.-t.	2
4-Nitroaniline	n-Nitroani-line, 4-nitrobenzen-amine	0.05	s.-t.	3
Dinitroaniline	Dinitroben-zenamine	0.05	org. clr.	4
3-Nitroaniline	3-Nitroben-zenamine, m-nitroaniline	0.15	org. clr.	3
Indotoluidine	N-(4-Amino-3-methylphe-nyl)-n-benzoquinon-imine	1.0	s.-t.	2
4.2.1.2.2.1.3.1. Halogen substituted				
4-Chloro-2-nitroaniline	4-Chloro-2-nitrobenzen-amine	0.025	org. clr.	3
2,6-Dichloro-4-nitroaniline	2,6-Dichloro 4-nitroben-zenamine, dichlorane, botran	0.1	org.	3
3,5-Dinitro-4-diethylaminobenzotri-fluoride	Nitrofor	1.0	org. odr.	4
3,5-Dinitro-4-dipropylamino-benzotrifluoride	2,6-Dinitro-N,N-dipropyl-4-trifluoro methyl-aniline, Treflan	1.0	org. odr.	4
4.2.1.2.2.1.3.2. Containing hydroxy, oxy, oxo and carboxygroups				
2,4,4-Trinitrobenzanilide	2,4,6-Trini-6-trinitro-	0.02	s.-t.	2

	benzoic acid, anilide			
n-Nitrophenylamino-ethanol	2-[(4-nitrophenyl) amino]etha-nol, oxy-amine	0.5	org. odr.	4
4.2.1.2.2.2. Aromatic condensated				
Dinitronaphthalene		1.0	org. clr.	4
1-Nitroanthraquinon-2-carboxylic acid	9,10-dihydro 1-nitro-9,10-dioxo-2-anthracene acid	2.5	s.-t.	3
4.2.2. Ethers and salts of nitric and nitrous acids				
Butylnitrite	Nitrous acid, butyl ether	0.05	org. odr.	4
1-Nitroguanidine		0.1	s.-t.	2
5. Sulphur-containing compounds				
5.1. Thiocompounds				
5.1.1. Containing C-S-H group				
Methylmercaptan		0.0002	org. odr.	4
Allylmercaptan		0.0002	org. odr.	3
beta-Mercaptodi-ethylamine	2-(N,N-Di-ethylamino)-ethanethiol	0.1	org. odr.	4
5.1.2. Containing C-S-C group				
Dimethyl sulphide		0.01	org. odr.	4
3-Methyl-4-methylthiophenol	Methylthiome thylphenol, 3-methyl-4-thioanisole	0.01	org. flavr.	4
2-Methylthio-○-methylcarbomoil-butanoxyme-3	3-Methylthio 2-butanol-○-(methylami-	0.1	org. odr.	3

	nocarbonyl) oxyme, Dravine 755			
4-Chlorophenyl-2,4,5-trichlorophenyl-sulphide	1,2,4-Tri-chloro-5-[4-(chloro-phenyl) thio]benzen-tetrazole, animert	0.2	org. film	4
Divinylsulphide	Vinylsul-phide, 1,1-thio-bisethene	0.5	org. odr.	3
5.1.3. Containing C-S-S-C group				
Dimethyldisulphide		0.04	org. odr.	3
5.1.4. Containing C=S group				
Carbon disulphide		1.0	org. odr.	4
5.1.4.1. Thiourea derivatives				
S-Propyl-N-ethyl-N-butylthiocarbamate	Butyl (ethyl)thio carbamic acid, S-propylic ether; tillam	0.01	org. odr.	3
Thiourea	Thiocarbami-de, diamide of thiocarba mic acid	0.03	s.-t.	2
S-(2,3-Dichlorallyl)-N,N-diisopropylthio-carbamate	Diisopropyl-thiocarbamic acid, S-(2,3-di-chloroprop-2-enylic) ether; avadex	0.03	org. odr.	4
S-Ethyl-N,N'-dipropylthiocarbamate	Dipropylthio carbamic acid, S-ethyl ether; eptam	0.1	org. odr.	3

Amidine-thio acetic acid	Carboxyme-thylisothio-urea	0.4	s.-t.	2
1,2-Bis-methoxycarbonyl thioureidobenzen	1,2-phenylen-bis (imino-(carbonothioyl)biscarba-mic acid, diethyl ether; topsin; nemafax; thiophanate	0.5	org. flavr.	3
5.1.4.2. Dithiocarbarnic acid derivatives				
Tetraethyl thiuram disulphide	N,N,N',N'-Tetraethyl thiuram disulphide, thiuram E	None	org. odr.	3
N- methyl-dithiocarbamic acid, N-methylamine salt		0.02	org. odr.	3
Sodium methyldithio-carbamate	Methyldithio carbamic acid, sodium salt; carbathion	0.02	org. odr.	3
Ammonium ethylenbis-thio carbamate	1,2-ethylen-bisthio-carbamic acid, di-ammonium salt	0.04	org. odr.	3
S-Ethyl-N-ethyl-N-cyclohexylthio-carbamate	Ronite, cycloate	0.2	s.-t.	3
Zink ethylenbisdithio carbamate	N,N'-ethylen bisdithio-bamic acid, zink salt; zineb	0.3	org. мутн.	3
Ammonium dimethyldi-thiocarbamate	Dimethyldi-thiocar-carbamic	0.5	s.-t.	3

	acid, ammo-nium salt			
Tetramethyl-thiuram disulphide	Tetramethyl-thiuram disulphide, thiuram D	1.0	s.-t.	2
5.1.4.3. Xanthogenates				
Butylxanthogenate	Thiolthio-carbonic acid, butyl ether	0.001	org. odr.	4
Isoamylxanthogenate	Thiolthio-carbonic acid, isoamyl ether; iso-pentylxantho genate	0.005	org. odr.	4
Isopropylxanthoge-genate, salt	Thiolthio-carbonic acid, isopropylic ether; salt	0.05	org. odr.	4
Ethylxanthogenate, salt	Thiolthio-carbonic acid, ethyl ether, salt	0.1	org. odr.	4
5.1.5. Containing C - N = S group				
5.1.6. Sulphonium salts				
(4-Hydroxy-2-methylphenyl) dimethylsulphonium chloride		0.007	org. odr.	4
5.2. Compounds containing sulphur directly bonded with oxygen				
5.2.1. Sulphoxydes				
5.2.2. Sulphones				
N-n-Butyl-N-(n-methylbenzensulpho-nyl)urea	1-Butyl-1-(n-tolyl-sulphonyl)-urea,	0.001 <1>	s.-t.	1

	butamide			
N-Propyl-N'-(n-chlorobenzensul-nyl)urea	3-Propyl-1-[(n-chloro-nyl)sulpho-nyl]urea, chloropro-pamide	0.001 <1>	s.-t.	1
4,4'-Dichlordiphenyl-sulphone	1,1'-Sulpho-nyl-bis(4-chloro-benzene), di-4-chloro-phenylsul-phone, bis(n chloro-phenyl) sulphone	0.4	s.-t.	2
4,4'-Diaminodiphenyl-sulphone	4.4'-Sulpho-nyldianiline	1.0	s.-t.	2
5.2.3. Sulphinic acids and their derivative compounds				
n-Toluenesulphonic acid, salt	4-methyl-benzensul-phinic acid, salt	1.0	s.-t.	2
5.2.4. Sulphonic acids and their derivative compounds				
5.2.4.1. Aliphatic sulphonic acids and their salts				
Methyltrialkyl-ammonium methyl sulphate		0.01	s.-t.	3
Olefin sulphonate C15 - C18		0.2	s.-t.	2
olefin sulphonate C12 - C14		0.4	org. foam	4
N-methylsulphaminic acid		0.4	s.-t.	2
Alkylsulphonates		0.5	org. clr.	4
5.2.4.2. Aromatic				
5.2.4.2.1. Mononucleate				
5.2.4.2.1.1. Sulphonic acids and their salts containing no substitutes except for alkyl				

Alkylbenzene-sulphonates	Sulphonol chlorine	0.5	org. foam	4
5.2.4.2.1.1.1. Containing substitutes in the chemical group				
1,4-Bis(4-methyl-2-sulphophenylamino)-5,8-dihydro-xyanthraquinone, disodium salt	2Zh chromic green anthraqui-nonic colo-ring agent	0.01	org. clr.	4
4-nitroanilin-2-sulphonic acid, salt	4-Nitroani-line-2-sul-phonic acid salt	0.08	org. clr.	4
Aminobenzen-3-sulphonic acid	Metalline acid, anilin-m-sulphonic acid	0.7	org. clr.	4
3-Nitroanilin-4-sulphonic acid	4-Amino-2-nitrobenzen-sulphonic acid, 3-nitrosul-phanilic acid	0.9	org. clr.	4
Sodium n-chlorobenzen sulphonate	4-Chloroben-zensulphonic acid, sodium salt; Ludigol	2.0	s.-t.	2
5.2.4.2.1.2. Aromatic sulphonic acids ethers				
5.2.4.2.1.3. Acid halides of aromatic sulphonic acids				
Benzenesulphochloride	Benzenesul-phonil-chloride	0.5	org. odr.	4
5.2.4.2.1.4. Amides				
n-Butylamide of benzenesulphonic acid	Benzenesul-phonic acid, n-butyl-amide; N-butylbenzen-sulphamide	0.03	s.-t.	2

Benzensulphamide	Benzensul-phonic acid, amide	6.0	s.-t.	3
5.2.4.2.2. Condensated polynuclear				
Bis(n-butyl-anilin) anthraquinone-3,3-disulphonic acid, disodium salt	H2C acidic anthraquino-nic green coloring agent	0.04	org. clr.	4
1,8-diaminonaphtha-len-4-sulphonic acid	C-acid	1.0	org. odr.	3
2-Naphthol-6-sulphonic acid	6-Hydroxy-2-naphthalen sulphonic acid, beta-naphtholsul phonic acid, Schaffer salt;	4.0	s.-t.	3
5.3. Ethers and salts of sulphuric and sulphurous acids				
4-Chlorophenyl-4-chlorobenzen-sulphonate	Sulphonate ether	0.2	org. flavr.	4
2-Aminoethyl ether of sulphuric acid	2-amino-ethyl sulphuric acid	0.2	s.-t.	
n-Methylaminophenol sulphate	Metol	0.3	org. clr.	3
Alkylsulphates		0.5	org. foam	4
Triethanolamine alkylbenzene sulphonate		1.0	org. foam	3
6. Phosphorus compounds				
6.1. Containing C - P bond				
6.1.1. Phosphines and phosphonium salts				
Tris(diethylamino) -2-chlorethyl-phosphine	Dephos	2.0	org. odr.	3
6.1.2. Tertiary phosphines oxydes				

Triisopentylphosphine oxyde	Tris(3-methylbutyl)-phosphoric acid	0.3	s.-t.	2
Dioctylisopentylphosphine oxyde	(3-Methylbutyl)dioctylphosphine oxyde	1.0	s.-t.	3
6.1.3. Phosphonates				
2-Chlorethylphosphonic acid, bis(2-chlorethyl) ether	Diether of 2-chlorethyl phosphonic acid	0.2	s.-t.	2
Vinylphosphonic acid, bis(beta,beta-хлорэтиловый) ether	O,O-Bis(2-chloroethyl) vinylphosphonate, Vinifos	0.2 <1>	s.-t.	2
O,O-Diphenyl-1-hydroxy-2,2,2-trichlorethylphosphonate		0.3	org. foam	3
O-(2-Chlor-4-methylphenyl)	(4-Methyl-2-chloro-) phenyl	0.4	org. odr.	4
N'-isopropylamido-chloromethylthiophosphonate	N-sec-butylamido-chloromethyl thiophosphonate, Izofos-3			
Oxyhexylidendiphosphonate		0.5	s.-t.	3
Oxyheptylidendiphosphonate		0.5	s.-t.	3
Oxynonylidendiphosphonate		0.5	s.-t.	3
Oxyoctylidendiphosphonate		0.5	s.-t.	3
Oxyethylidendiphosphonic acid	Hydroxy - ethane-1,1-diphosphonic acid	0.6	org. flavr.	4

2-Chlorethylphospho-nic acid, 2-chlorethyl ether	Monoether of 2-Chlorethyl phosphonic acid	1.5	s.-t.	3
2-Chlorethylphospho-nic acid	Ethrel, Ethephon, Florel	4.0	s.-t.	2
2-Hydroxy-1,3-propylendiamine-N,N,N',N'- tetra-methylenphosphonic acid sodium salt	DPF-1N	4.0	org. flavr.	4
6.2. Phosphoric and phosphorous acids derivatives				
6.2.1. Phosphites				
Trimethylphosphite		0.005	org. odr.	4
Triphenylphosphite	O,O,O-Tri-phenyl-phosphite	0.01	s.-t.	2
Trimethylphosphite		0.02	org. odr.	3
6.2.3. Phosphoric acid amides				
6.2.2. Phosphates				
O,O,O-Tricresyl phosphate	Tricresyl-phosphate	0.005	s.-t.	2
O,O,O-Tributylphosphate	Tributyl-phosphate	0.01	org. flavr.	4
O,O,O-Trixylenylphosphate	Trixylenyl-phosphate	0.05	org. odr.	3
O,O-Dimethyl-O-[3-(carb-1-phenylethoxy) propen-2-yl-2-phosphate	3-dimethoxy-phosphoryl-oxycrotonic acid, 1- phenyl-ethyl ether; Ciodrin	0.05	s.-t.	2
O,O-Dimethyl-O-[1-(2,3,4,5-tetrachlorophenyl)-2-chlorovinyl	Vinyl-phosphate	0.2	org. flavr.	3

phosphate				
O,O,O-Trimethylphosphate	Trimethyl-phosphate	0.3	org. odr.	4
6.2.2.1. Halogen substituted				
O,O-Dimethyl-(1-hydroxy-2,2,2-trichlorethyl) phosphonate	Chlorophos	0.05	org. odr.	4
O,O-Dimethyl-O-(2,2-dichlorovinyl)-phosphate	O-(2,2-Di-chlorovinyl) O,O-di-methyl-phosphate, DDVF, dichlorvos	1.0	org. odr.	3
Dichloropropyl (2-ethylhexyl)phosphate		6.0	org.	4
6.2.2.2. Thiophosphates				
S,S,S-Tributyltrithio-phosphate	Butyvos	0.0003	org. flavr.	4
O-Cresyldithio-phosphate	Cresylic dithio-phosphate	0.001	org. odr.	4
O,O-Dimethyl-S-ethylmercaptoethyl-dithiophosphate	O,O-Dimethyl S-(2-ethyl-thioethyl) dithio-phosphate, M-81	0.001	org. odr.	4
O,O-Dimethyl-O-(3-methyl-4-methylthiophenyl)-thiophosphate	Thiophospho-ric acid, O,O-dimethyl-O-(-3-methyl-4-methyl-thio) phenyl ether; Sulphidovos; Baytex	0.001	org. odr.	4
O-(4-Methylthiophe-nyl)-O-ethyl-S-propyldithiophosphate	Bolstar, Gelotion, Sulprofos	0.003	org. odr.	4
Bis(2-ethylhexyl)-	Dithiophos-	0.02	s.-t.	2

dithiophosphoric acid	phoric acid, O,O-bis(2-ethyl-hexyl) ether			
O,O-Diethyl-S-carbethoxymethyl-thiophosphate	Acetophos	0.03	org. odr.	4
O,O-Dimethyl-S-carbethoxymethyl-thiophosphate	(dimethoxy-(thiophos-phorylthio) acetic acid, ethyl ether; Methylaceto-phos	0.03	org. odr.	4
O,O-Dimethyl-S-(1,2-dicarbethoxy-ethyl)dithiophosphate	2-(dimethoxy-thiophospho-rylthio) bu-tandionic acid, diethyl ether; Karbofos	0.05	org. odr.	4
O,O-Diethyl-S-benzylthiophosphate	S-Benzyl-O, O-diethyl-thio phosphate, Ricid-П	0,05	s.-t.	2
O-Phenyl-ethylthio-phosphoric acid, salt		0.1	org. odr.	4
Dibutyldithio-phosphates	Dithiophos-phoric acid, O,O-di-butyl ether, salt	0.1	s.-t.	2
Dibutylmonothio-phosphate		0.1	org. odr.	3
Dimethyldithio-phosphoric acid	O,O-dimethyl dithiophos-phoric acid	0.1	org. odr.	4
S-(2-Acetamidoethyl)-O,O-dimethyldithio-phosphate	Amifos	0.1	org. odr.	4

Diethyldithio-phosphoric acid	O,O'-Diethyl dithio-phosphoric acid	0.2	org. odr.	4
Diethyldithio-phosphate	Diethyl-dithiophos-phoric acid, salt	0.5	org. odr.	3
6.2.2.2.1. Halogen substituted				
O-Methyl-O-ethylchlorthio-phosphate	Diether	0.002	org. odr.	4
O-Phenyl-O-ethylchlorthio-phosphate		0.005	org. odr.	3
O-(4-Brom-2,5-dichlorophenyl)-O,O-dimethylthiophosphate	Bromophos	0.01	org. odr.	4
Monomethyldi-chlorthiophosphate	O-Methyldi-chlorthio-phosphate	0.01	s.-t.	2
Monoethyldichlor-thiophosphate	O-Ethyldi-chlorthio-phosphate	0.02	org. odr.	4
O-(2,4-Dichlorophenyl)-S-propyl-O-ethylthiophosphate	Etaphos, Protiofos, Tokution, Bideron	0.05	org. odr.	3
Diethylchlorthio-phosphate	O,O-Diethyl-chlorthio-phosphate	0.05	org. odr.	4
Dimethylchlorthio-phosphate	O,O-Di-methyl-chlorthio-phosphate	0.07	org. odr.	3
O-Methyl-O-(2,4,5-trichlorophenyl)-O-ethylthiophosphate	Trichlormeta phos-3	0.4	org. odr.	4
O,O-Dimethyl-O-(2,5-dichlor-4-iodophenyl) thiophosphate	Iodofenfos	1.0	org. odr.	3

6.2.2.2.2. Nitrogen containing compounds				
O,O-Diethyl-O-(4-nitrophenyl) thiophosphate	O-(4-Nitro-phenyl)-O,O-diethylthio-phosphate, Thiophos	0.003	org. odr.	4
O,O-Dimethyl-S-(N-methyl-N-formylcarbamoyl-methyl)-dithio-phosphate	O,O-Dimethyl S-(N-methyl-N-formylami-nomethyl)-dithio-phosphate, Antio	0.004	org. odr.	4
O,O-Dimethyl-O-(4-nitrophenyl)phosphate	Metaphos	0.02	org. odr.	4
Butylamide of O-ethyl S-phenyldithio-phosphoric acid	O-Ethyl-S-phenyl-N-butylamido-dithio-phosphate, Fosbutyl	0.03	org. odr.	4
O,O-Dimethyl-S-(N-methylcarbamido-methyl)-dithio-phosphate	O,O-Dimethyl S-(2-(N-methylamino)-2-oxoethyl) dithio-phosphate, phosphamide, Rogor	0.03	org. odr.	4
O,O-Dimethyl-O-(4-cyanphenyl)thio-phosphate	Cyanox	0.05	org. odr.	4
O,O-Dimethyl-O-(3-methyl-4-nitrophenyl thiophosphate	Methylnitro-phos	0.25	org. odr.	3
O,O-Dimethyl-S- 2-(1-N-methylcarbomoyl-ethylmercapto) ethylthiophosphate	Kilval, vamidothion	0.3	org. odr.	4
N-(beta,beta-O,O-Diisopropyldithio-phosphorylethyl) benzensulphon-amide	O,O-Diiso-propyl-S-2-phenylsul-phonylamino-ethyldi-thiophospha-te, Prefar,	1.0	s.-t.	2

	Bensulide, Betasan			
6.2.4. Salts of phosphoric acid and organic bases				
1,2,4-Triaminobenzene phosphate		0.01	org. flavr.	3
n-aminobenzoic acid phosphate		0.1	org. odr.	3
7. Heterocyclic compounds				
7.1. Oxygen containing compounds				
7.1.1. Containing a three-partite cycle				
Propylene oxyde	1,2-Epoxy-propane, Methoxyrane	0.01	s.-t.	2
Epichlorhydrin	1-Chlor--2,3 epoxypropane	0.01	s.-t.	2
7.1.2. Containing a pentatomic cycle				
Dichloromaleinic anhydride	Dichloro-butan-dionic anhydride	0.1	s.-t.	2
Furfurane		0.2	s.-t.	2
2-Methylfurane	Silvan	0.5	org. odr.	4
Furfuryl alcohol	Fur-2-ylme-thanol, 2-hydroxyme-thylfurane, 2-furan-methanol	0.6 <1>	s.-t.	2
Furfurol	2-Furaldehi-de	1.0	org. op.	4
5-Nitrofurfurol-diacetate	(5-Nitro-2-furanyl) methanediol diacetate	2.0 <1>	s.-t.	2
7.1.3. Containing a hexatomic cycle				
5,6-Dihydro-4-methyl-2H-pyran	Methyldihyd-ropyran	0.0001	s.-t.	1

4-Methyl-4-hydroxytetrahydro-pyran	4-Methyltet-rahydro-4-ol-2H-pyran, pyranic alcohol	0.001	s.-t.	2
Dimethyldioxane	5,5-Dimethyl 1,3-dioxane	0.005	s.-t.	2
4-Methyl-4-hydroxyethyl-1,3-dioxane	4-Methyl-4-ethanol-1,3-dioxane, dioxanic alcohol	0.04	s.-t.	2
7.1.4. Multinucleate				
Chlorendic anhydride	Perchlor-born-5-ene-2,3-di-carbonic acid, anhydride	1.0	org. odr.	3
7.2. Nitrogen containing compounds				
7.2.1. Pentatomic cycle with one nitrogen atom				
Cyclohexylide of dichloromaleinic acid	Cimid	0.04	org. odr.	4
7.2.2. Hexatomic aliphatic cycle with one nitrogen atom				
Piperidine		0.06	s.-t.	3
4-Amino-2,2,6,6-tetramethylpipe-ridine	Triacetona-mine amine	4.0	s.-t.	2
Triacetonamine	2,2,6,6-Tet-ramethylpi-peridin-4-one	4.0	s.-t.	2
7.2.3. Hexatomic aliphatic cycle with one nitrogen atom				
N-Methylpyridinium chloride	1-Methylpy-ridinium chloride	0.01	org. odr.	4
Heptachloropicoline	2-Trichloro-methyl-3, 4,5,6-	0.02	s.-t.	2

	tetrachloro-pyridine			
Hexachloropicoline	2-Trichloro-methyl-3,4, 5-trichloro-pyridine	0.02	s.-t.	2
Hexachloramino-picoline	4-Amino-2-trichloro-methyl-3,5, 6-trichloro-pyridine	0.02	s.-t.	2
Pantachloramino-picoline	4-Amino-2-trichloro-methyl-3,5, 6-dichlor-pyridine	0.02	s.-t.	2
Pentachloropicoline	2-TRichloro-methyldichlo ropyridine	0.02	s.-t.	2
Tetrachloropicoline	1-Chlor-6-(trichloro-methyl) pyridine	0.02	s.-t.	3
2,5-Lutidine	2,5-Dimethyl pyridine	0.05	s.-t.	2
alpha-Picoline	2-Methyl-pyridine	0.05	s.-t.	2
Pyridine		0.2	s.-t.	2
4-Amino-3,5,6-trichlorpicolinic acid	4-Amino-3,5,6-tri-chlor-2-pyridincar-bonic acid, picloram, Tordon	10.0	s.-t.	3
Potassium 4-amino-3, 5,6-trichlor-picolinate	4-Amino-3,5,6-tri-chlor-2-pyridincar-bonic acid, potassium salt; Hloramp	10.0	s.-t.	2
7.2.4. Multinucleate compounds with one nitrogen atom				

5-Acetoxy-1,2-dimethyl-3-carbethoxyindole	Acetoxy-indole	0.004 <1>	s.-t.	2
6-Brom-5-hydroxy-3-carbethoxy-1-methyl-2-phenylthio-methylindole	Thioindole	0.004 <1>	s.-t.	2
2-Chlorcyclohexyl-thio-M-phthalimide	Phthalic acid, N-(2-chlorcyclo-hexylimide)	0.02	org. odr.	4
N-Trichloromethyl-thiophthalimide	Phthalan	0.04	org. odr.	4
6-Brom-5-hydroxy-4-dimethylamino--carbethoxy-1-methyl-2-phenylthiomethylin-dole hydrochloride	Arbidol	0.04 <1>	s.-t.	3
O,O-Dimethyl-S-phthalimidomethyl-dithiophosphate	Phthalophos	0.2	org. flavr.	3
Trichlormethylthio-tetrahydrophthalimide	Captan	2.0	org. odr.	4
7.2.5. Pentatomic cycle with several nitrogen atoms				
1.3-Dichloro-5,5-dimethyl hydantoin	5,5-Dimethyl 1,3-dichlor-imidazolidin -2.4-dione, dichlo-rantine	None	s.-t.	3
1-(2-Hydroxypropyl)-1 -methyl-2-pentadecyl-2-imidazo-2-imidazolinium me-thyl sulphate	Carbosoline, SPD-3	0.2	s.-t.	2
1-Phenyl-3-pyrazolidone	Phenidone	0.5	org. clr.	3
5,5-Dimethylhydantoin		1.0	org.	3

			flavr.	
7.2.6. Pentatomic cycle with two nitrogen atoms				
Sulphapyridazine	6-(n-Amino-benzensul-phamido)-3-methoxypyri-dazine; sul-sulphanilic acid, N-(6-methoxy-pyridazin-3-yl)amide	0.2 <1>	s.-t.	2
O,O-Diethyl-O-(2-isopropyl-4-methylpyrimedyl-6-thiophosphate	O-(2-Isopro-pyl-6-methyl pyrimidin-4-yl)-O,O-di-ethylthio-phosphate, Bazudin	0.03	org. odr.	4
N-(2-Amino-ethyl)piperazine	1-(2-Amino-ethyl) piperazine	0.6	s.-t.	
1-Phenyl-4,5-dichlorpyridazone-6		2.0	s.-t.	3
1-Phenyl-4-amino-5-chlorpyridazone-6	5-Amino-2-phenyl-4-chlorpyrida-zin-3(2H)-one, Phenazone	2.0	s.-t.	2
4-Amino-6-chloropyrimidine	6-Chlor-4-pyrimidina-mine	3.0 <1>	org. clr.	3
4-Amino-6-methoxypyrimidine		5.0 <1>	org. clr.	3
Oxyethylpiperazine		6.0	s.-t.	2
Diethylendiamine	Hexahydro-pyrazine, piperazine	9.0	org. odr.	3
7.2.7. Pentatomic cycle with three nitrogen atoms				
2-Chlor-4,6-bis(ethylamino)-sym-triazine	2,4-Bis(N-ethylamino)-6-chlor-1,3,5-tria-	None	org. flot.	4

	zine, simazine			
2-Chlor-4,6-bis(ethylamino)-sym-triazine 2-oxy derivative	2-Oxy derivative of simazine	None	org. flot.	4
O,O-Dimethyl-S-(4,6-diamino-1,3,5-triazin-2-yl-methyl)-dithiophosphate	Sayfos, menazon, saphicol, azadition	0.1	s.-t.	3
Cyclotrimethylen-trinitroamine	1,3,5-Trinitro-1,3,5-perhydrotriazine, hexogene	0.1	s.-t.	2
4,6-bis(Isopropylamino)-2-(N-methyl-N-cyanamino)-1,3,5-triazine	Methazine	0.3	org. flavr.	4
2-Amino-4-methyl-6-methoxy-1,3,5-triazine	2-Amino-4-methyl-6-methoxy-sym-triazine	0.4 <1>	org. odr.	3
2-Chlor-4,6-bis(isopropylamino)-sym-triazine	2,4-Bis(N-isopropyl-amino)-6-chlor-1,3,5-triazine, propazine, insoluble simazine	1.0	org. odr.	4
2-Methylthio-4,6-diisopropylamino-sym-triazine	2-Amino-4-(N,N-diisopropylamino)-6-methyl-thio-1,3,5-triazine, prometryn	3.0	org. odr.	3
Cyanuric acid	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione	6.0	org. flavr.	3
7.2.8. Multinucleate compounds with several nitrogen atoms				
1,2-Bis(1,4,6,9-	DKhTI 150A	0.015	s.-t.	2

tetraazotricyclo-[4,4,1,1,4,9]-do-decano)-ethyliden dihydrochloride				
Dipyridyl	Bipyridyl	0.03	org. odr.	3
1,2,3-Benzotriazole		0.1	s.-t.	3
Methyl-N-(2-benzimidazolyl) carbamate	1H-benzimi-dazol-2-yl carbamic acid, methyl ether	0.1	org. film	4
3-Cyclohexyl-5,6-trimethylenuracyl	3-Cyclohe-xyl-6,7-di-hydro-1H-cyclopenta-pyrimidin-2,4(3H,5H)-dione, Hexilur	0.2	s.-t.	2
1,1-Dimethyl-4,4'-dipyridyldime-thylphosphate		0.3	org. odr.	3
Dipyridylphosphate		0.3	org. odr.	4
Methyl-1-butyla-carbomoyl-2-benzimidozolcar-bamate	Arylate	0.5	org. film	4
Hexamethylenetetra-mine	1,3,5,7-Tet-raazatricyc-lodecan, urotropine, amynoform, Formin	0.5	s.-t.	2
5-Amino-2-(n-aminophenyl)-1H-benzimidazole		1.0	s.-t.	2
Triethylendiamine	1,4-Diazobi-cyclo[2.2.2.]octane, DAVSO	6.0	s.-t.	2
7.2.9. Containing over six atoms in the cycle				
S-Ethyl-N-hexamethylenthio-	Hexahydro-1H-azepin-	0.07	org. odr.	4

carbamate	1-thiocarbonic acid, S-ethyl ether; Yalan			
Hexamethylenamine hydrochloride		5.0	s.-t.	2
Cyclotetramethylentetranitroamine	Octohydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocyne, octogene	0.2	s.-t.	2
7.3. Sulphur-containing compounds				
2-Chlorothiophene		0.001	org. odr.	4
Tetrahydrothiophen-1,1-dioxyde	Sulpholane, tetramethylene sulphone	0.5	org. odr.	3
Thiophene	Thiofuran	2.0	org. odr.	3
7.4. Mixed-type compounds				
7.4.1. Containing nitrogen and oxygen as heteroatoms				
Codeine		None		
Morphine		None		
O,O-Diethyl-S-(6-chlorbenzoxazolinylmethyl)dithiophosphate	S-(2,3-Dihydro-3-oxo--6-chlorbenzoxazol-3-ylmethyl)-O,O-diethylphosphate, Phosalone	0.001	org. odr.	4
Tetrahydro-1,4-oxazine	Morpholine	0.04	org. flavr.	3
Benzoxazolone-2	benzoxazol-2(3H)-one	0.1	s.-t.	2
3-Chlormetal-6-chlorbenzoxazolone	6-Chlor-3-chlormethyl-2-(3H)benzoxazolone	0.4	s.-t.	2

7.4.2. Containing nitrogen and sulphur as heteroatoms				
Dibenzthiazoldi-sulphide	2,2'-Dithio-dibenzothia-zole, altax	None	org. odr.	3
2-Butylthiobenzo-thiazole	Butylcaptax	0.005	org. odr.	4
3,5-Dimethyltetrahyd-ro-1,3,5-thiadiazinthione-2	3,5-Dimethyl perhydro-1, 3,5-thiadia-zin-2-thi-one, mylon, thiazone	0.01	org. odr.	4
Benzothiazole		0.25 <1>	org. odr.	4
2-Hydroxybenzothiazole	2-(3H)-Hyd-roxybenzo-thiazolone	1.0	s.-t.	2
2-Mercaptobenzo-thiazole	Benzothia-zol-2-thiol, Captax	5.0	org. odr.	4
8. Organoelemental compounds				
8.1. Mercury compounds				
Ethyl mercuric chloride	Granosan	0.0001	s.-t.	1
Mercury diethyl		0.0001	s.-t.	1
8.2. Tin compounds				
Tetraethyltin	Tetraethyl-stannane	0.0002	s.-t.	1
Bis(tributyltin) oxyde		0.0002	s.-t.	1
Tin tributylmeth-acrylate	Tributyl(2-methyl-1-oxo-2-propenyl) oxystannane	0.0002	s.-t.	1
Dicyclohexyltin oxyde	Dicyclohe-xyloxostan-nane	0.001	s.-t.	2
Tricyclohexyltin chloride		0.001	s.-t.	2

Dichlordibutyltin	Dibutyldi-chlor-stannane	0.002	s.-t.	2
Diethyltin dichloride	Dichlordi-ethyl-stannane	0.002	s.-t.	2
Tetrabutyltin	Tetrabutyl-stannane	0.002	s.-t.	2
Ethylene-bis(thioglycolate)-dioctyltin		0.002	s.-t.	2
Dibutyltin oxyde	Dibutyloxo-stannane	0.004	s.-t.	2
Dibutyltin dilaurate	Bis(dode-canoyloxy)-dinbutyl-stannane	0.01	s.-t.	2
Dibutyltin diisooctyl thioglycolate	Bis(isoocty-loxycarbo-nylmethyl-thio)dibutyl stannane	0.01	s.-t.	2
Diethyltin dioctanoate	Diethyl-bis(octanoyl oxy)stanna-ne, tin diethyl-dicaprylate	0.01	s.-t.	2
Diisobutyltin maleatedioctyl		0.02	s.-t.	2
Sulphidedibutyltin	Dibutyltin sulphide	0.02	s.-t.	2
Tributyltin chloride	Chlortribu-tylstannane, tributyl-chlor-stannane	0.02	s.-t.	2
8.3. Lead compounds				
Tetraethyllead		None	s.-t.	1
8.4. Arsenic compounds				
8.5. Silicium compounds				

Trifluoropropylsilane		1.5	org. flavr.	4

Supplement 3

(for reference)

ALPHABETICAL INDEX OF HARMFUL SUBSTANCES
IN DRINKING WATER SPECIFIED IN SUPPLEMENT 2

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Bis(dodecanouloxy)-di-n-butylstannane	8.2.
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4,6-Bis(isopropylamino)-2-(N-methyl-N-cyanamino)-1,3,5-triazine	7.2.7.
2,4-Bis(N-isopropylamino)-6-chlor-1,3,5-triazine	7.2.7.
Bis(2-methylpropyl)amine	4.1.2.1.
1,4-Bis(4-methyl-2-sulphophenylamino)-5,8-dihydroxyanthraquinone, disodium salt	5.2.4.1.1.1.
1,2-Bis-methoxycarbonyl thioureidobenzene	5.1.4.1.
1,2-Bis(1,4,6,9-tetraazotricyclo[4,4,1,1,-4,9]dodecano)-ethyliden dihydrochloride	7.2.8.
Bis(tributyltin)oxyde	8.2.

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1.4-Bis(trichlormethyl)benzene	2.2.2.1.2.
Bis(n-chlorophenyl)sulphone	5.2.2.
○,○-Bis(2-chlorethyl)vinylphosphonate	6.1.3.
2,4-Bis(N-ethylamino)-6-chlor-1,3,5-triazine	7.2.7.
Bicyclo(2,2,1)hepta2,5-diene	1.2.1.2.
Biphenyl	1.2.2.2.1.
Bolstar	6.2.2.2.
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3-Brombenzaldehyde	3.2.1.2.2.1.1.
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6-Brom-5-hydroxy-3-carbethoxy-1-methyl-2-phenyl-thiomethylindole	7.2.4.
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N-Butylbenzensulphamide	5.2.4.1.4.
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Butyl ether 2,4-D	3.3.2.1.1.1.3.1.
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Butyl ether of methacrylic acid	3.3.2.1.1.2.1.
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Vinylbenzene	1.2.2.1.
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Vinyl ether of monoethanolamine	4.1.1.1.1.2.1.
Vinyl ether of acetic acid	3.3.2.1.1.1.1.2.
1-Vinyloxy-2-aminoethane	4.1.1.1.1.2.1.
Vinyl sulphide	5.1.2.
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Vinyl chloride	2.1.2.
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2,3,3a,4,7,7a-Hexahydro -2,4,5,6,7,8,8 - heptachlor-4,7-methanindene	2.2.1.2.
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Hexachlorocyclopentadiene	2.2.1.1.
1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene	2.2.1.1.
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Hexogene	7.2.7.
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4-Hydroxy-4-methylpentan-2-one	3.2.1.1.1.2.
2-Hydroxymethylpropanonitrile	4.1.3.1.1.
(4-Hydroxy-2-methylphenyl)dimethylsulfone chloride	5.1.6.
1-Hydroxy-3-methyl-1-phenylurea	4.1.2.2.2.4.
1-Hydroxy-2(and 4)-methylphenol	3.1.1.2.2.1.1.
2-Hydroxymethylfurane	7.1.2.
6-Hydroxy-2-naphthalenesulfonic acid	5.2.4.2.
1-Hydroxy-2(and 4)-propylbenzene	3.1.1.2.2.1.1.
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Dephos	6.1.1.
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Diallylamine	4.1.1.2.1.2.

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1,5-Diaminoanthraquinone	4.1.1.2.2.2.
1,4-Diamino-9,10-anthracendione	4.1.1.2.2.2.
1,5-Diamino-9,10-anthracendione	4.1.1.2.2.2.
Diaminobenzene	4.1.1.2.2.1.
1,2-Diaminobenzene	4.1.1.2.2.1.
1,6-Diaminohexane	4.1.1.2.1.1.
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4,4'-Diaminodiphenylsulphone	5.2.2.
2,2'-Diaminodiethylamine	4.1.2.1.
1,12-Diaminododecane	4.1.1.2.1.1.
1,2-Diaminoethane	4.1.1.2.1.1.
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Dibenzyltoluene	1.2.2.1.
Dibenzthiazoldisulphide	7.4.2.
1,2-Dibromopropane	2.1.1.
1,2-Dibrom-1,1,5-trichloropentane	2.1.1.
1,2-Dibrom-3-chloropropane	2.1.1.
Dibutylamine	4.1.2.1.
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Dibutyltin sulphide	8.2.
Divinyl	1.1.
Divinylchlorosulphide	5.1.2.
beta-Dihydroheptachlor	2.2.1.2.
9,10-Dihydro-9,10-dioxoanthracene	3.2.2.
1.2-Dihydroxyanthraquinone	3.2.2.2.
1.4-Dihydroxyanthraquinone	3.2.2.2.
1.5-Dihydroxyanthraquinone	3.2.2.2.
1,8-Dihydroxyanthraquinone	3.2.2.2.
1.5-Dihydroxy-9,10-anthracendione	3.2.2.2.
1,2-Dihydroxy-9,10-anthracendione	3.2.2.2.
Dihydroxyethyl ether dinitrate	4.2.1.1.1.
5,6-Dihydro-4-methyl-2H-pyran	7.1.3.
S-(2,3-Dihydro-3-oxo-6-chlorbenzoxazol-3--yl-methyl)-O,O-diethylphosphate	7.4.1.
Diene-1.3	2.1.2.
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Diisobutylamine	4.1.2.1.
Diisobutylmaleatdioctyltin	8.2.
N,N-Diisooctyl isooctanamine	4.1.3.1.
Diisopropylamine	4.1.2.1.
Diisopropylbenzene	1.2.2.1.
N-(beta,beta-O,O-Diisopropyldithiophosphorylethyl)benzenesulphonamide	6.2.2.2.2.
O,O-Diisopropyl-S-2-phenylsulphonylaminoethyldithiophosphate	6.2.2.2.2.
Diketon	3.2.2.1.
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Dimethylamine	4.1.2.1.
N,N-Dimethylaminomethylacrylamide	4.1.1.1.1.2.2.
Dimethylacetoamide	4.1.3.1.3.
Dimethylbenzene	1.2.2.1.
Dimethylvinylcarbinol	3.1.1.1.
5,5-Dimethylhydantoin	7.2.5.
O,O-Dimethyl-(1-hydroxy-2,2,2-trichlor-ethyl)phosphonate	6.2.2.1.
O,O-Dimethyl-5-(4,6-diamino-1,3,5-triazine 2yl-methyl)-dithiophosphate	7.2.7.
O,O-Dimethyl-5-(1,2-dicarethoxyethyl)-dithiophosphate	6.2.2.2.
N,N'-Dimethyl-N,N-dinitromethandiamine	4.2.1.2.2.1.3.
Dimethyldioxane	7.1.3.
5,5-Dimethyl-1,3-dioxane	7.1.3.
1,1-Dimethyl-4,4'-dipyridyldimethylphosphate	7.2.8.
Dimethyldisulphide	5.1.3.
Ammonium dimethyldithio carbamate	5.1.4.2.
O,O-Dimethyl-O-(2,2-dichlorovinyl)phosphate	6.2.2.1.
5,5-Dimethyl-1,3-dichlorimidazolidin-2,4-dione	7.2.5.
O,O-Dimethyl-O-(2,5-dichlor-4-iodophenyl)-thiophosphate	6.2.2.2.1.
1,1-Dimethyl-3-(3,4-dichlorophenyl)urea	4.1.3.2.2.3.
Dimethylcarbinol	3.1.1.1.
O,O-Dimethyl-O-[3-(carb-1-phenylethoxy)-propen-2-yl-2-phosphate	6.2.2.
O,O-Dimethyl-5-carbethoxymethylthiophosphate	6.2.2.2.
O,O-Dimethyl-S-(2-(N-methylamino)-2-oxo-ethyl)dithiophosphate	6.2.2.2.2.
O,O-Dimethyl-S-(N-methylcarbamidomethyl)-thiophosphate	6.2.2.2.2.
O,O-Dimethyl-S-2-(1-N-methylcarbamoylethylmercapto) ethylthiophosphate	6.2.2.2.2.
O,O-Dimethyl-O-(3-methyl-4-methylthiophenyl) - thiophosphate	6.2.2.2.
O,O-Dimethyl-O-(3-methyl-4-nitrophenyl) - thiophosphate	6.2.2.2.2.
O,O-Dimethyl-S-(N-methyl-N-formylaminomethyl)- dithiophosphate	6.2.2.2.2.
O,O-Dimethyl-S-(N-methyl-N-formyl-carbamoyl)-methyl)dithiophosphate	6.2.2.2.2.
1,3-Dimethylurea	4.1.3.1.4.
N,N'-Dimethylurea	4.1.3.1.4.
O,O-Dimethyl-O-(4-nitrophenyl)phosphate	6.2.2.2.2.
Dimethyl ether	3.1.2.1.
Dimethyl ether of terephthalic acid	3.3.2.2.2.
Dimethyl ether of tetrachloroterephthalic acid	3.3.2.2.2.
Dimethyl ether of phthalic acid	3.3.2.2.2.
2,2-Dimethylolpropandiol-1,3	3.1.3.1.

3,5-Dimethylperhydro-1,3,5-thiadazin-2-thione	7.4.2.
2,5-Dimethylpyridine	7.2.3.
Dimethylsulphide	5.1.2.
Dimethylterephthalate	3.3.2.2.2.
3,5-Dimethyltetrahydro-1,3,5-thiadiazinthione-2	7.4.2.
O,O-Dimethyl-O-[1-(2,3,4,5-tetrachloro-phenyl)-2-chlorovinylphosphate	6.2.2.
1,1-Dimethyl-3-(3-trifluoromethylphenyl) - urea	4.1.3.2.2.3.
Dimethylphenol	3.1.1.2.2.1.1.
Dimethylphosphite	6.2.1.
Dimethylphthalate	3.3.2.2.2.
O,O-Dimethyl-S-phthalimidomethyldithiophosphate	7.2.4.
Dimethylchlorthiophosphate	6.2.2.2.1.
O,O-Dimethylchlorthiophosphate	6.2.2.2.1.
3,3-Dimethyl-1-chlor-1-(4-chlorphenoxy) - butan-2-one	3.2.1.2.2.1.1.
O,O-Dimethyl-O-(4-cyanphenyl)thiophosphate	6.2.2.2.2.
1,1-Dimethylethanol	3.1.1.1.
Di-1-methylethyl benzene	1.2.2.1.
1-(1,1-Dimethylethyl)-4-methylbenzene	1.2.2.1.
O,O-Dimethyl-S-ethylmercaptoethyldithiophosphate	6.2.2.2.
O,O-Dimethyl-S-(2-ethylthioethyl)dithiophosphate	6.2.2.2.2.
2,2-Dimethoxy-1,2-diphenylethanone	3.2.1.2.2.1.
2,2-Dimethoxy-2-phenylacetophenone	3.2.1.2.2.1.
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Dinitrobenzene	4.2.1.2.2.1.
Dinitrobenzenamine	4.2.1.2.2.1.3.
2,4-Dinitro-2,4-diazopentane	4.2.1.2.2.1.3.
3,5-Dinitro-4-dipropylaminobenzotrifluoride	4.2.1.2.2.1.3.1.
2,6-Dinitro-N,N-dipropyl-4-trifluoro-methylaniline	4.2.1.2.2.1.3.1.
3,5-Dinitro-4-diethylaminobenzotrifluoride	4.2.1.2.2.1.3.1.
Dinitrodiethyleneglycol	4.2.1.1.1.
Dinitronaphthalene	4.2.1.2.2.2.
2,4-Dinitrotoluene	4.2.1.2.2.1.
Dinitrotriethyleneglycol	4.2.1.1.1.
2,4-Dinitrophenol	4.2.1.2.2.1.2.
Dinitrochlorobenzene	4.2.1.2.2.1.1.
2,4-Dinitro-1-chlorobenzene	4.2.1.2.2.1.1.
Dinobutone	4.2.1.2.2.1.2.
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1,4-Dioxybenzene	3.1.3.2.
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Diphenylnitrozamine	4.2.1.2.2.1.3.
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Difluorochloromethane	2.1.1.
Diacyl chloride of terephthalic acid	3.3.3.
Diacyl chloride of isophthalic acid	3.3.3.
Diacyl chloride of 2,3,5,6-tetrachloro-terephthalic acid	3.3.3.
5-(2,3-Dichlorallyl)-N,N-diisopropylthio - carbamate	5.1.4.1.
Dichlorane	4.2.1.2.2.1.3.1.
Dichloraniline	4.1.1.1.2.2.1.1.
Dichlorantine	7.2.5.
1,2-Dichlorobenzene	2.2.2.1.1.
○-Dichlorobenzene	2.2.2.1.1.
Dichlorobenzenamine	4.1.1.1.2.2.1.1.
Dichlorobiphenyl	2.2.2.2.1.
Dichlorobromomethane	2.1.1.
2,3-Dichlorobutadiene-1,3	2.1.2.
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But-3-enic acid, nitrile	4.1.3.1.1.
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