

Directive 98/8/EC of the European Parliament and of the Council of 16 February
1998 concerning the placing of biocidal products on the market (repealed)

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ANNEX I

LIST OF ACTIVE SUBSTANCES WITH REQUIREMENTS AGREED AT
COMMUNITY LEVEL FOR INCLUSION IN BIOCIDAL PRODUCTS ANNEX IA

ANNEX IB

LIST OF BASIC SUBSTANCES WITH
REQUIREMENTS AGREED AT COMMUNITY LEVEL

ANNEX IIA

COMMON CORE DATA SET FOR ACTIVE SUBSTANCES

1. Dossiers on active substances are required to address at least...
2. Information which is not necessary owing to the nature of...

Dossier requirements

I. APPLICANT

- 1.1. Name and address, etc.
- 1.2. Active substance manufacturer (name, address, location of plant)

II. IDENTITY

- 2.1. Common name proposed or accepted by ISO and synonyms
- 2.2. Chemical name (IUPAC nomenclature)
- 2.3. Manufacturer's development code number(s)
- 2.4. CAS and EC numbers (if available)
- 2.5. Molecular and structural formula (including full details of any isomeric...)
- 2.6. Method of manufacture (syntheses pathway in brief terms) of active...
- 2.7. Specification of purity of the active substance in g/kg or...
- 2.8. Identity of impurities and additives (e.g. stabilisers), together with the...
- 2.9. The origin of the natural active substance or the precursor(s)...
- 2.10. Exposure data in conformity with Annex VIIA to Directive 92/32/EEC....

III. PHYSICAL AND CHEMICAL PROPERTIES

- 3.1. Melting point, boiling point, relative density (1)
- 3.2. Vapour pressure (in Pa)(1)
- 3.3. Appearance (physical state, colour) (2)
- 3.4. Absorption spectra (UV/VIS, IR, NMR), and a mass spectrum, molar...
- 3.5. Solubility in water including effect of pH (5 to 9)...
- 3.6. Partition coefficient n-octanol/water including effect of pH (5 to 9)...
- 3.7. Thermal stability, identity of relevant breakdown products
- 3.8. Flammability including auto-flammability and identity of combustion products

- 3.9. Flash-point
- 3.10. Surface tension
- 3.11. Explosive properties
- 3.12. Oxidising properties
- 3.13. Reactivity towards container material
- IV. ANALYTICAL METHODS FOR DETECTION AND IDENTIFICATION
 - 4.1. Analytical methods for the determination of pure active substance and,...
 - 4.2. Analytical methods including recovery rates and the limits of determination...
- V. EFFECTIVENESS AGAINST TARGET ORGANISMS AND INTENDED USES
 - 5.1. Function, e.g. fungicide, rodenticide, insecticide, bactericide
 - 5.2. Organism(s) to be controlled and products, organisms or objects to...
 - 5.3. Effects on target organisms, and likely concentration at which the...
 - 5.4. Mode of action (including time delay)
 - 5.5. Field of use envisaged
 - 5.6. User: industrial, professional, general public (non-professional)
 - 5.7. Information on the occurrence or possible occurrence of the development...
 - 5.8. Likely tonnage to be placed on the market per year...
- VI. TOXICOLOGICAL AND METABOLIC STUDIES
 - 6.1. Acute toxicity
 - 6.1.1. Oral
 - 6.1.2. Dermal
 - 6.1.3. Inhalation
 - 6.1.4. Skin and eye irritation (3)
 - 6.1.5. Skin sensitisation
 - 6.2. Metabolism studies in mammals. Basic toxicokinetics, including a dermal absorption...
 - 6.3. Short-term repeated dose toxicity (28 days)
 - 6.4. Subchronic toxicity
 - 6.5. Chronic toxicity (4)
 - 6.6. Mutagenicity studies
 - 6.6.1. In-vitro gene mutation study in bacteria
 - 6.6.2. In-vitro cytogenicity study in mammalian cells
 - 6.6.3. In-vitro gene mutation assay in mammalian cells
 - 6.6.4. If positive in 6.6.1, 6.6.2 or 6.6.3, then an in-vivo...
 - 6.6.5. If negative in 6.6.4 but positive in-vitro tests then undertake...
 - 6.6.6. If positive in 6.6.4 then a test to assess possible...
 - 6.7. Carcinogenicity study (4)
 - 6.8. Reproductive toxicity (5)
 - 6.8.1. Teratogenicity test — rabbit and one rodent species
 - 6.8.2. Fertility study — at least two generations, one species, male...
 - 6.9. Medical data in anonymous form
 - 6.9.1. Medical surveillance data on manufacturing plant personnel if available
 - 6.9.2. Direct observation, e.g. clinical cases, poisoning incidents if available
 - 6.9.3. Health records, both from industry and any other available sources...
 - 6.9.4. Epidemiological studies on the general population, if available
 - 6.9.5. Diagnosis of poisoning including specific signs of poisoning and clinical...
 - 6.9.6. Sensitisation/allergenicity observations, if available

- 6.9.7. Specific treatment in case of an accident or poisoning: first...
- 6.9.8. Prognosis following poisoning
- 6.10. Summary of mammalian toxicology and conclusions, including no observed adverse...
- VII. ECOTOXICOLOGICAL STUDIES
 - 7.1. Acute toxicity to fish
 - 7.2. Acute toxicity to *Daphnia magna*
 - 7.3. Growth inhibition test on algae
 - 7.4. Inhibition to microbiological activity
 - 7.5. Bioconcentration
 - 7.6. Degradation
 - 7.6.1. Biotic
 - 7.6.1.1. Ready biodegradability
 - 7.6.1.2. Inherent biodegradability, where appropriate
 - 7.6.2. Abiotic
 - 7.6.2.1. Hydrolysis as a function of pH and identification of breakdown...
 - 7.6.2.2. Phototransformation in water including identity of the products of transformation...
 - 7.7. Adsorption/desorption screening test
 - 7.8. Summary of ecotoxicological effects and fate and behaviour in the...
- VIII. MEASURES NECESSARY TO PROTECT MAN, ANIMALS AND THE ENVIRONMENT
 - 8.1. Recommended methods and precautions concerning handling, use, storage, transport or...
 - 8.2. In case of fire, nature of reaction products, combustion gases,...
 - 8.3. Emergency measures in case of an accident
 - 8.4. Possibility of destruction or decontamination following release in or on...
 - 8.5. Procedures for waste management of the active substance for industry...
 - 8.5.1. Possibility of reuse or recycling
 - 8.5.2. Possibility of neutralisation of effects
 - 8.5.3. Conditions for controlled discharge including leachate qualities on disposal
 - 8.5.4. Conditions for controlled incineration
 - 8.6. Observations on undesirable or unintended side-effects, e.g. on beneficial and...
- IX. CLASSIFICATION AND LABELLING
- X. SUMMARY AND EVALUATION OF SECTIONS II TO IX
 - Notes
 - (1) These data must be submitted for the purified active substance...
 - (2) These data must be submitted for the active substance of...
 - (3) Eye irritation test shall not be necessary where the active...
 - (4) The long-term toxicity and carcinogenicity of an active substance may...
 - (5) If, in exceptional circumstances, it is claimed that such testing...

ANNEX IIB

COMMON CORE DATA SET FOR BIOCIDAL PRODUCTS

1. Dossiers on biocidal products are required to address at least...
2. Information which is not necessary owing to the nature of...
3. Information may be derived from existing data where a justification...

Dossier requirements

- I. APPLICANT
 - 1.1. Name and address, etc.
 - 1.2. Formulator of the biocidal product and the active substance(s) (names,...
- II. IDENTITY
 - 2.1. Trade name or proposed trade name, and manufacturer's development code...
 - 2.2. Detailed quantitative and qualitative information on the composition of the...
 - 2.3. Physical state and nature of the biocidal product, e.g. emulsifiable...
- III. PHYSICAL, CHEMICAL AND TECHNICAL PROPERTIES
 - 3.1. Appearance (physical state, colour)
 - 3.2. Explosive properties
 - 3.3. Oxidising properties
 - 3.4. Flash-point and other indications of flammability or spontaneous ignition
 - 3.5. Acidity/alkalinity and if necessary pH value (1 % in water)...
 - 3.6. Relative density
 - 3.7. Storage stability — stability and shelf-life. Effects of light, temperature...
 - 3.8. Technical characteristics of the biocidal product, e.g. wettability, persistent foaming,...
 - 3.9. Physical and chemical compatibility with other products including other biocidal...
- IV. METHODS OF IDENTIFICATION AND ANALYSIS
 - 4.1. Analytical method for determining the concentration of the active substance(s)...
 - 4.2. In so far as not covered by Annex IIA, paragraph...
- V. INTENDED USES AND EFFICACY
 - 5.1. Product type and field of use envisaged
 - 5.2. Method of application including description of system used
 - 5.3. Application rate and if appropriate, the final concentration of the...
 - 5.4. Number and timing of applications, and where relevant, any particular...
 - 5.5. Function, e.g. fungicide, rodenticide, insecticide, bactericide
 - 5.6. Pest organism(s) to be controlled and products, organisms or objects...
 - 5.7. Effects on target organisms
 - 5.8. Mode of action (including time delay) in so far as...
 - 5.9. User: industrial, professional, general public (non-professional)
 - 5.10. The proposed label claims for the product and efficacy data...
 - 5.11. Any other known limitations on efficacy including resistance
- VI. TOXICOLOGICAL STUDIES

- 6.1. Acute toxicity
 - 6.1.1. Oral
 - 6.1.2. Dermal
 - 6.1.3. Inhalation
 - 6.1.4. For biocidal products that are intended to be authorised for...
- 6.2. Skin and eye irritation(1)
- 6.3. Skin sensitisation
- 6.4. Information on dermal absorption
- 6.5. Available toxicological data relating to toxicologically relevant non-active substances (i.e....
- 6.6. Information related to the exposure of the biocidal product to...
- VII. ECOTOXICOLOGICAL STUDIES
 - 7.1. Foreseeable routes of entry into the environment on the basis...
 - 7.2. Information on the ecotoxicology of the active substance in the...
 - 7.3. Available ecotoxicological information relating to exotoxicological relevant non-active substances (i.e....
- VIII. MEASURES TO BE ADOPTED TO PROTECT MAN, ANIMALS AND THE...
 - 8.1. Recommended methods and precautions concerning handling, use, storage, transport or...
 - 8.2. Specific treatment in case of an accident, e.g. first-aid measures,...
 - 8.3. Procedures, if any, for cleaning application equipment
 - 8.4. Identity of relevant combustion products in cases of fire
 - 8.5. Procedures for waste management of the biocidal product and its...
 - 8.6. Possibility of destruction or decontamination following release in or on...
 - 8.7. Observations on undesirable or unintended side-effects, e.g. on beneficial and...
 - 8.8. Specify any repellents or poison control measures included in the...
- IX. CLASSIFICATION, PACKAGING AND LABELLING
- X. SUMMARY AND EVALUATION OF SECTIONS II TO IX
 - Notes
 - (1) Eye-irritation test shall not be necessary where the biocidal product...

ANNEX IIIA

ADDITIONAL DATA SET FOR ACTIVE SUBSTANCES

- 1. Dossiers on active substances are required to address at least...
- 2. Information which is not necessary owing to the nature of...
- III. PHYSICAL AND CHEMICAL PROPERTIES
 - 1. Solubility in organic solvents, including effect of temperature on solubility...
 - 2. Stability in organic solvents used in biocidal products and identity...
- IV. ANALYTICAL METHODS FOR DETECTION AND IDENTIFICATION
 - 1. Analytical methods including recovery rates and the limits of determination...
- VI. TOXICOLOGICAL AND METABOLIC STUDIES
 - 1. Neurotoxicity study

2. Toxic effects on livestock and pets
 3. Studies related to the exposure of the active substance to...
 4. Food and feedingstuffs
 5. If any other tests related to the exposure of the...
 6. If the active substance is to be used in products...
 7. Mechanistic study — any studies necessary to clarify effects reported...
- VII. ECOTOXICOLOGICAL STUDIES
1. Acute toxicity test on one other, non-aquatic, non-target organism
 2. If the results of the ecotoxicological studies and the intended...
 3. If the result of the test in paragraph 7.6.1.2 of...
 4. Any other biodegradability tests that are relevant from the results...
 5. Phototransformation in air (estimation method), including identification of breakdown products...
 6. If the results from paragraphs 7.6.1.2 in Annex IIA or...
- VIII. MEASURES NECESSARY TO PROTECT HUMANS, ANIMALS AND THE ENVIRONMENT
1. Identification of any substances falling within the scope of List...
Notes
 - (1) These data must be submitted for the purified active substance...
 - (2) These data must be submitted for the active substance of...
- XI. FURTHER HUMAN HEALTH-RELATED STUDIES
1. Food and feedingstuffs studies
 - 1.1. Identification of degradation and reaction products and of metabolites of...
 - 1.2. Behaviour of the residue of the active substance, its degradation...
 - 1.3. Overall material balance for the active substance. Sufficient residue data...
 - 1.4. Estimation of potential or actual exposure of the active substance...
 - 1.5. If residues of the active substance remain on feedingstuffs for...
 - 1.6. Effects of industrial processing and/or domestic preparation on the nature...
 - 1.7. Proposed acceptable residues and the justification of their acceptability
 - 1.8. Any other available information that is relevant
 - 1.9. Summary and evaluation of data submitted under 1.1 to 1.8...
 2. Other test(s) related to the exposure to humans
- XII. FURTHER STUDIES ON FATE AND BEHAVIOUR IN THE ENVIRONMENT
1. Fate and behaviour in soil
 - 1.1. Rate and route of degradation including identification of the processes...
 - 1.2. Absorption and desorption in at least three soil types and,...
 - 1.3. Mobility in at least three soil types and where relevant...
 - 1.4. Extent and nature of bound residues
 2. Fate and behaviour in water
 - 2.1. Rate and route of degradation in aquatic systems (as far...
 - 2.2. Absorption and desorption in water (soil sediment systems) and, where...
 3. Fate and behaviour in air
 4. Summary and evaluation of parts 1, 2 and 3
- XIII. FURTHER ECOTOXICOLOGICAL STUDIES
1. Effects on birds
 - 1.1. Acute oral toxicity — this need not be done if...
 - 1.2. Short-term toxicity — eight-day dietary study in at least one...
 - 1.3. Effects on reproduction

2. Effects on aquatic organisms
 - 2.1. Prolonged toxicity to an appropriate species of fish
 - 2.2. Effects on reproduction and growth rate on an appropriate species...
 - 2.3. Bioaccumulation in an appropriate species of fish
 - 2.4. *Daphnia magna* reproduction and growth rate
3. Effects on other non-target organisms
 - 3.1. Acute toxicity to honeybees and other beneficial arthropods, e.g. predators....
 - 3.2. Toxicity to earthworms and to other soil non-target macro-organisms
 - 3.3. Effects on soil non-target micro-organisms
 - 3.4. Effects on any other specific, non-target organisms (flora and fauna)...
4. Other effects
 - 4.1. Activated sludge respiration inhibition test
5. Summary and evaluation of parts 1, 2, 3 and 4...

ANNEX IIIB

ADDITIONAL DATA SET FOR BIOCIDAL PRODUCTS

1. Dossiers on biocidal products are required to address at least...
 2. Information which is not necessary owing to the nature of...
 3. Information may be derived from existing data where a justification...
- XI. FURTHER HUMAN HEALTH-RELATED STUDIES
1. Food and feedingstuffs studies
 - 1.1. If residues of the biocidal product remain on feedingstuffs for...
 - 1.2. Effects of industrial processing and/or domestic preparation on the nature...
 2. Other test(s) related to the exposure to humans
- XII. FURTHER STUDIES ON FATE AND BEHAVIOUR IN THE ENVIRONMENT
1. Where relevant all the information required in Annex IIIA, Section...
 2. Testing for distribution and dissipation in the following:
- XIII. FURTHER ECOTOXICOLOGICAL STUDIES
1. Effects on birds
 - 1.1. Acute oral toxicity, if not already done in accordance with...
 2. Effects on aquatic organisms
 - 2.1. In case of application on, in, or near to surface...
 - 2.1.1. Particular studies with fish and other aquatic organisms
 - 2.1.2. Residue data in fish concerning the active substance and including...
 - 2.1.3. The studies referred to in Annex IIIA, Section XIII, parts...
 - 2.2. If the biocidal product is to be sprayed near to...
 3. Effects on other non-target organisms
 - 3.1. Toxicity to terrestrial vertebrates other than birds
 - 3.2. Acute toxicity to honeybees
 - 3.3. Effects on beneficial arthropods other than bees
 - 3.4. Effects on earthworms and other soil non-target macro-organisms, believed to...
 - 3.5. Effects on soil non-target micro-organisms
 - 3.6. Effects on any other specific, non-target organisms (flora and fauna)...
 - 3.7. If the biocidal product is in the form of bait...
 - 3.7.1. Supervised trials to assess risks to non-target organisms under field...

- 3.7.2. Studies on acceptance by ingestion of the biocidal product by...
4. Summary and evaluation of parts 1, 2, and 3

ANNEX IVA

DATA SET FOR ACTIVE SUBSTANCES

1. Dossiers on active organisms are required to address at least...
2. Information which is not necessary owing to the nature of...

Dossier requirements

I. APPLICANT

- 1.1. Applicant (name, address, etc.)
- 1.2. Manufacturer (name, address, plant location)

II. IDENTITY OF THE ORGANISM

- 2.1. Common name of organism (including alternative and superseded names)
- 2.2. Taxonomic name and strain indicating whether it is a stock...
- 2.3. Collection and culture reference number where the culture is deposited...
- 2.4. Methods, procedures and criteria used to establish the presence and...

III. SOURCE OF THE ORGANISM

- 3.1. Occurrence in nature or otherwise
- 3.2. Isolation methods for organism or active strain
- 3.3. Culture methods
- 3.4. Production methods including details of containment and procedure to maintain...
- 3.5. Composition of the final active organism material i.e. nature, purity,...
- 3.6. Methods to prevent contamination of seed stock and loss of...
- 3.7. Procedures for waste management

IV. METHODS OF DETECTION AND IDENTIFICATION

- 4.1. Methods for establishing the presence and identity of the organism...
- 4.2. Methods for establishing the identity and purity of seed stock...
- 4.3. Methods to show the microbiological purity of the final product...
- 4.4. Methods used to show that there are no human or...
- 4.5. Methods to determine viable and non-viable (e.g. toxins) residues in...

V. BIOLOGICAL PROPERTIES OF THE ORGANISM

- 5.1. History of the organism and its uses including as far...
- 5.2. Relationship to existing pathogens of vertebrates, invertebrates, plants or other...
- 5.3. Effects on target organism. Pathogenicity or kind of antagonism to...
- 5.4. Transmissibility, infective dose and mode of action including information on...
- 5.5. Possible effects on non-target organisms closely related to the target...
- 5.6. Transmissibility to other non-target organisms
- 5.7. Any other biological effects on non-target organisms when properly used...
- 5.8. Infectivity and physical stability when properly used
- 5.9. Genetic stability under environmental conditions of proposed use
- 5.10. Any pathogenicity and infectivity to man and animals under conditions...

- 5.11. Pathogenicity and infectivity for known parasites/predators of the target species...
- VI. EFFECTIVENESS AND INTENDED USES
 - 6.1. Harmful organisms controlled and materials, substances, organisms or products to...
 - 6.2. Uses envisaged (e.g. insecticide, disinfectant, anti-fouling product, etc.)
 - 6.3. Information or observations on undesirable or unintended side effects
 - 6.4. Information on the occurrence or possible occurrence of the development...
 - 6.5. Effects on target organisms
 - 6.6. Category of user
- VII. TOXICOLOGICAL AND METABOLIC STUDIES
 - 7.1. Acute toxicity
 - 7.2. Sub-chronic toxicity
 - 7.3. Chronic toxicity
 - 7.4. Carcinogenicity study
 - 7.5. Mutagenicity studies
 - 7.6. Reproductive toxicity
 - 7.7. Metabolism studies
 - 7.8. Neurotoxicity studies: required where there is any indication of anticholinesterase...
 - 7.9. Immunotoxicity studies (e.g. allergenicity)
 - 7.10. Incidental exposure studies: required where the active substance will be...
 - 7.11. Human exposure data including:
 - 7.12. Summary of mammalian toxicology — conclusions (including NOAEL, NOEL and...
- VIII. ECOTOXICOLOGICAL STUDIES
 - 8.1. Acute toxicity to fish
 - 8.2. Acute toxicity to *Daphnia magna*
 - 8.3. Effects on algae growth (inhibition test)
 - 8.4. Acute toxicity on one other, non-aquatic, non-target organism
 - 8.5. Pathogenicity and infectivity for honeybees and earthworms
 - 8.6. Acute toxicity and/or pathogenicity and infectivity for other non-target organisms...
 - 8.7. Effects (if any) on other flora and fauna
 - 8.8. In cases where toxins are produced, data as outlined in...
 - 8.9. Spread, mobility, multiplication and persistence in air, soil and water...
 - 8.10. In cases where toxins are produced, data as outlined in...
- IX. MEASURES NECESSARY TO PROTECT HUMANS, NON-TARGET ORGANISMS AND THE ENVIRONMENT...
 - 9.1. Methods and precautions to be taken for storage, handling, transport...
 - 9.2. Any circumstances or environmental conditions under which the active organism...
 - 9.3. The possibility of rendering the active organism non-infective and any...
 - 9.4. Consequences of the contamination of air, soil and water, particularly...
 - 9.5. Emergency measures in case of accident
 - 9.6. Procedures for waste management of the active organism including leachate...
 - 9.7. Possibility of destruction or decontamination following release in or into...

- X. CLASSIFICATION AND LABELLING
- XI. SUMMARY AND EVALUATION OF SECTIONS II TO X

ANNEX IVB

DATA SET FOR BIOCIDAL PRODUCTS

1. Dossiers on biocidal products are required to address at least...
 2. Information which is not necessary owing to the nature of...
 3. Information may be derived from existing data where a justification...

Dossier requirements
- I. APPLICANT
 - 1.1. Name and address, etc.
 - 1.2. Manufacturers of biocidal products and active organisms including location of...
 - II. IDENTITY OF BIOCIDAL PRODUCT
 - 2.1. Trade name or proposed trade name and manufacturer's development code...
 - 2.2. Detailed quantitative and qualitative information on the composition of the...
 - 2.3. Physical state and nature of the biocidal product (emulsifiable concentrate,...
 - 2.4. Concentration of active organism in material used
 - III. TECHNICAL AND BIOLOGICAL PROPERTIES
 - 3.1. Appearance (colour and odour)
 - 3.2. Storage — stability and shelf-life. Effects of temperature, method of...
 - 3.3. Methods for establishing storage and shelf-life stability
 - 3.4. Technical characteristics of the biocidal product
 - 3.4.1. Wettability
 - 3.4.2. Persistent foaming
 - 3.4.3. Suspensibility and suspension stability
 - 3.4.4. Wet sieve test and dry sieve test
 - 3.4.5. Particle size distribution, content of dust/fines, attrition and friability
 - 3.4.6. In the case of granules, sieve test and indications of...
 - 3.4.7. Content of active substance in or on bait particles, granules...
 - 3.4.8. Emulsifiability, re-emulsifiability, emulsion stability
 - 3.4.9. Flowability, pourability and dustability
 - 3.5. Physical and chemical compatibility with other products including biocidal products...
 - 3.6. Wetting, adherence and distribution following application
 - 3.7. Any changes to biological properties of the organism is a...
 - IV. METHOD FOR IDENTIFICATION AND ANALYSIS
 - 4.1. Analytical methods for determining the composition of the biocidal product...
 - 4.2. Methods for determining residues (e.g. biotest)
 - 4.3. Methods used to show microbiological purity of the biocidal product...
 - 4.4. Methods used to show the biocidal product to be free...
 - 4.5. Techniques used to ensure a uniform product and assay methods...

- V. INTENDED USES AND EFFICACY FOR THESE USES
- 5.1. Use
 - 5.2. Details of intended use, (e.g. types of harmful organism controlled,...
 - 5.3. Application rate
 - 5.4. Where necessary, in the light of the test results, any...
 - 5.5. Method of application
 - 5.6. Number and timing of applications
 - 5.7. Proposed instructions for use
 - 5.8. Preliminary range-finding tests
 - 5.9. Field experimentation
 - 5.10. Information on the possible occurrence of the development of resistance...
 - 5.11. Effects on the quality of materials or products treated
- VI. TOXICITY INFORMATION ADDITIONAL TO THAT REQUIRED FOR THE ACTIVE ORGANISM...
- 6.1. Oral single dose
 - 6.2. Percutaneous single dose
 - 6.3. Inhalation
 - 6.4. Skin and where relevant eye irritation
 - 6.5. Skin sensitisation
 - 6.6. Available toxicological data relating to non-active substances
 - 6.7. Operator exposure
 - 6.7.1. Percutaneous absorption/inhalation depending on formulation and method of application
 - 6.7.2. Likely operator exposure under field conditions, including where relevant quantitative...
- VII. ECOTOXICITY INFORMATION ADDITIONAL TO THAT REQUIRED FOR THE ACTIVE ORGANISM...
- 7.1. Observations concerning undesirable or unintended side-effects, e.g. on beneficial and...
- VIII. MEASURES TO BE ADOPTED TO PROTECT MAN, NON-TARGET ORGANISMS AND...
- 8.1. Recommended methods and precautions concerning handling, storage, transport and use...
 - 8.2. Re-entry periods, necessary waiting periods or other precautions to protect...
 - 8.3. Emergency measures in case of an accident
 - 8.4. Procedures for destruction or decontamination of the biocidal product and...
- IX. CLASSIFICATION, PACKAGING AND LABELLING
- 9.1. Proposals including justification for the classification, packaging and labelling
 - 9.2. Packaging (type, materials, size, etc.), compatibility of the biocidal product...
 - 9.3. Specimens of proposed packaging
- X. SUMMARY OF SECTIONS II to IX

ANNEX V

BIOCIDAL PRODUCT-TYPES AND THEIR DESCRIPTIONS AS REFERRED TO IN ARTICLE 2(1)(a) OF THIS DIRECTIVE

These product-types exclude products where they are covered by the...

MAIN GROUP 1: Pesticides and general biocidal products

- Product-Type 1: Human hygiene biocidal products
- Product-Type 2: Area and public health area disinfectants and other biocidal...
- Product-Type 3: Veterinary hygiene biocidal products
- Product-Type 4: Land and feed area disinfectants
- Product-Type 5: Drinking water disinfectants

MAIN GROUP 2: Preservatives

- Product-Type 6: Food preservatives
- Product-Type 7: Textile preservatives
- Product-Type 8: Wood preservatives
- Product-Type 9: Leather, rubber and polymerised materials preservatives
- Product-Type 10: Masonry preservatives
- Product-Type 11: Preservatives for liquid-cooling and processing systems
- Product-Type 12: Ship preservatives
- Product-Type 13: Metalworking-fluid preservatives

MAIN GROUP 3: Control

- Product-Type 14: Rodenticides
- Product-Type 15: Avicidal products
- Product-Type 16: Molluscicides
- Product-Type 17: Fungicides
- Product-Type 18: Insecticides, acaricides and products to control other arthropods Products used...
- Product-Type 19: Repellents and attractants

MAIN GROUP 4: Other Biocidal products

- Product-Type 20: Preservatives for food or feedstocks
- Product-Type 21: Antifouling products
- Product-Type 22: Embalming and taxidermist fluids
- Product-Type 23: Control of other vertebrates

ANNEX VI

COMMON PRINCIPLES FOR THE EVALUATION OF DOSSIERS FOR BIOCIDAL PRODUCTS

CONTENTS

DEFINITIONS

INTRODUCTION

1. This Annex lays down principles to ensure that evaluations made...
2. In order to ensure a high and harmonised level of...
3. A risk assessment on the active substance or substances present...

4. Additional risk assessments shall be carried out, in the same...
5. In order to carry out a risk assessment data are...
6. The results of the risk assessments carried out on an...
7. When making evaluations and taking decisions concerning the authorisation of...
8. The Member State shall comply with the requirements of mutual...
9. It is known that many biocidal products present only minor...
10. It is known that certain biocidal products are considered as...
11. The application of these common principles shall lead to the...
12. During the process of evaluation and decision-making, Member States and...
13. The judgments made by the Member State during the evaluation...

EVALUATION

General principles

14. The data submitted in support of an application for authorisation...
15. A risk assessment on the active substance present in the...
16. For each active substance and each substance of concern present...
17. The results arrived at from a comparison of the exposure...
18. The risk assessment shall determine:
19. In certain cases it may be concluded that further data...

Effects on humans

20. The risk assessment shall take account of the following potential...
21. The effects previously mentioned result from the properties of the...
22. The populations previously mentioned are:
23. The hazard identification shall address the properties and potential adverse...
24. In those cases where the test appropriate to hazard identification...
25. The Member State shall apply paragraphs 26 to 29 when...
26. For repeated dose toxicity and reproductive toxicity the dose response...
27. For acute toxicity, corrosivity and irritation, it is not usually...
28. For mutagenicity and carcinogenicity it shall be sufficient to determine...
29. With respect to skin sensitisation and respiratory sensitisation, in so...
30. Where toxicity data derived from observations of human exposure, e.g....
31. An exposure assessment shall be carried out for each of...
32. The exposure assessment shall be based on the information in...
33. Where adequately measured, representative exposure data are available, special consideration...
34. Where, for any of the effects set out in paragraph...

Effects on animals

35. Using the same relevant principles as described in the section...

Effects on the environment

36. The risk assessment shall take account of any adverse effects...
37. The hazard identification shall address the properties and potential adverse...
38. In those cases where the test appropriate to hazard identification...
39. A dose (concentration) — response (effect) assessment shall be carried...
40. The PNEC shall be determined from the data on effects...
41. An assessment factor is an expression of the degree of...

42. For each environmental compartment an exposure assessment shall be carried...
 43. A PEC, or where necessary a qualitative estimate of exposure,...
 44. The PEC, or qualitative estimation of exposure, shall be determined...
 45. Where adequately measured, representative exposure data are available, special consideration...
 46. For any given environmental compartment, the risk characterisation shall, as...
 47. If it has not been possible to derive a PEC/PNEC...
- Unacceptable effects
48. Data shall be submitted to and evaluated by the Member...
 49. The Member State shall, where relevant, evaluate the possibility of...
 50. If there are indications that any other unacceptable effects may...
- Efficacy
51. Data shall be submitted and evaluated to ascertain if the...
 52. Testing should be carried out according to Community guidelines if...
- Summary
53. In each of the areas where risk assessments have been...
 54. For biocidal products containing more than one active substance any...

DECISION MAKING

General principles

55. Subject to paragraph 96, the Member State shall come to...
56. In making a decision concerning authorisation, the Member State shall...
57. If the conclusion arrived at by the Member State is...
58. The Member State shall comply with the principles of mutual...
59. The Member State shall apply the rules concerning the concept...
60. The Member State shall apply the rules concerning the concept...
61. The Member State shall only grant authorisation to those biocidal...
62. The Member State shall impose, where appropriate, conditions or restrictions...
63. In the decision-making process the Member State shall take into...
64. The Member State shall, when taking a decision concerning the...
65. The Member State shall prescribe that biocidal products shall be...
66. The Member State shall take the necessary measures to ensure...
67. The Member State shall take the necessary measures to ensure...

Effects on humans

68. The Member State shall not authorise a biocidal product if...
69. The Member State shall consider possible effects on all human...
70. The Member State shall examine the relationship between the exposure...
71. The Member State shall, where possible, compare the results obtained...
72. The Member State shall, if appropriate, impose, as a condition...
73. If for non-professional users the wearing of personal protective equipment...
74. If the relationship between the exposure and the effect cannot...
75. No biocidal product classified according to Article 20(1) of this...

Effects on animals

76. The Member State shall not authorise a biocidal product if...
77. Using the same relevant criteria as described in the section...

Effects on the environment

78. The Member State shall not authorise a biocidal product if...
79. The basic tool used in the decision making is the...
80. For any given environmental compartment if the PEC/PNEC ratio is...
- Water
81. The Member State shall not authorise a biocidal product, if...
82. The Member State shall not authorise a biocidal product if,...
83. The Member State shall not authorise a biocidal product if...
84. The proposed instructions for use of the biocidal product, including...
- Soil
85. Where unacceptable contamination of soil is likely to occur, the...
- Air
86. The Member State shall not authorise a biocidal product where...
- Effects on non-target organisms
87. The Member State shall not authorise a biocidal product where...
88. The Member State shall not authorise a biocidal product where...
89. The Member State shall not authorise a biocidal product where...
- Unacceptable effects
90. If the development of resistance to the active substance in...
91. An authorisation for a biocidal product intended to control vertebrates...
- Efficacy
92. Member States shall not authorise a biocidal product which does...
93. The level, consistency and duration of protection, control or other...
- Summary
94. In each of the areas where risk assessments have been...

OVERALL INTEGRATION OF CONCLUSIONS

95. The Member State shall combine the individual conclusions arrived at...
96. The Member State shall then take due consideration of any...
97. The Member State shall ultimately decide whether or not the...

- (1) OJ C 239, 3.9.1993, p. 3, OJ C 261, 6.10.1995, p. 5 and OJ C 241, 20.8.1996, p. 8.
- (2) OJ C 195, 18.7.1994, p. 70 and OJ C 174, 17.6.1996, p. 32.
- (3) Opinion of the European Parliament of 18 April 1996 (OJ C 141, 13.5.1996, p. 191), Council common position of 20 December 1996 (OJ C 69, 5.3.1997, p. 13) and Decision of the European Parliament of 13 May 1997 (OJ C 167, 2.6.1997, p. 24). Council Decision of 18 December 1997. Decision of the European Parliament of 14 January 1998.
- (4) OJ C 138, 17.5.1993, p. 1.
- (5) OJ L 398, 30.12.1989, p. 19.
- (6) OJ L 262, 27.9.1976, p. 201. Directive as last amended by Directive 97/16/EC (OJ L 116, 6.5.1997, p. 31).
- (7) OJ L 230, 19.8.1991, p. 1. Directive as last amended by Directive 96/68/EC (OJ L 277, 30.10.1996, p. 25).
- (8) OJ L 154, 5.6.1992, p. 1.
- (9) OJ L 84, 5.4.1993, p. 1.
- (10) OJ C 102, 4.4.1996, p. 1.