

Commission Implementing Decision (EU) 2020/2009 of 22 June 2020 establishing the best available techniques (BAT) conclusions, under Directive 2010/75/EU of the European Parliament and of the Council on industrial emissions, for surface treatment using organic solvents including preservation of wood and wood products with chemicals (notified under document C(2020) 4050) (Text with EEA relevance)

COMMISSION IMPLEMENTING DECISION (EU) 2020/2009

of 22 June 2020

establishing the best available techniques (BAT) conclusions, under Directive 2010/75/EU of the European Parliament and of the Council on industrial emissions, for surface treatment using organic solvents including preservation of wood and wood products with chemicals

(notified under document C(2020) 4050)

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control)⁽¹⁾, and in particular Article 13(5) thereof,

Whereas:

- (1) Best available techniques (BAT) conclusions are the reference for setting permit conditions for installations covered by Chapter II of Directive 2010/75/EU and competent authorities should set emission limit values which ensure that, under normal operating conditions, emissions do not exceed the emission levels associated with the best available techniques as laid down in the BAT conclusions.
- (2) The forum composed of representatives of Member States, the industries concerned and non-governmental organisations promoting environmental protection, established by Commission Decision of 16 May 2011⁽²⁾, provided the Commission on 18 November 2019 with its opinion on the proposed content of the BAT reference document for surface treatment using organic solvents including preservation of wood and wood products with chemicals. That opinion is publicly available.
- (3) The BAT conclusions set out in the Annex to this Decision are the key element of that BAT reference document.
- (4) The measures provided for in this Decision are in accordance with the opinion of the Committee established by Article 75(1) of Directive 2010/75/EU,

HAS ADOPTED THIS DECISION:

Changes to legislation: There are outstanding changes not yet made to Commission Implementing Decision (EU) 2020/2009. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

Article 1

The best available techniques (BAT) conclusions for surface treatment using organic solvents including preservation of wood and wood products with chemicals, as set out in the Annex, are adopted.

Article 2

This Decision is addressed to the Member States.

Done at Brussels, 22 June 2020.

For the Commission

Virginijus SINKEVIČIUS

Member of the Commission

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ANNEX

Best available techniques (BAT) conclusions for surface treatment using organic solvents including preservation of wood and wood products with chemicals SCOPE

These BAT conclusions concern the following activities specified in Annex I to Directive 2010/75/EU:

- 6.7: Surface treatment of substances, objects or products using organic solvents, in particular for dressing, printing, coating, degreasing, waterproofing, sizing, painting, cleaning or impregnating, with an organic solvent consumption capacity of more than 150 kg per hour or more than 200 tonnes per year.
- 6.10: Preservation of wood and wood products with chemicals with a production capacity exceeding 75 m³ per day other than exclusively treating against sapstain.
- 6.11: Independently operated treatment of waste water not covered by Directive 91/271/EEC provided that the main pollutant load originates from activities specified in point 6.7 or 6.10 of Annex I to Directive 2010/75/EU.

These BAT conclusions also cover the combined treatment of waste water from different origins provided that the main pollutant load originates from the activities specified in point 6.7 or 6.10 of Annex I to Directive 2010/75/EU and that the waste water treatment is not covered by Council Directive 91/271/EEC⁽³⁾.

These BAT conclusions do not address the following:

For surface treatment of substances, objects or products using organic solvents:

- Waterproofing of textiles by means other than the use of a solvent-based continuous film. This may be covered by the BAT conclusions for the textiles industry (TXT).
- Printing, sizing and impregnation of textiles. This may be covered by the BAT conclusions for the textiles industry (TXT).
- Lamination of wood-based panels.
- Conversion of rubber.
- Manufacturing of coating mixtures, varnishes, paints, inks, semiconductors, adhesives or pharmaceutical products.
- On-site combustion plants unless the hot gases generated are used for direct contact heating, drying or any other treatment of objects or materials. These may be covered by the BAT conclusions for large combustion plants (LCP) or by Directive 2015/2193/EU of the European Parliament and of the Council⁽⁴⁾.

For preservation of wood and wood products with chemicals:

- Chemical modification and hydrophobisation (e.g. using resins) of wood and wood products.
- Sapstain treatment of wood and wood products.
- Ammonia treatment of wood and wood products.
- On-site combustion plants. These may be covered by the BAT conclusions for large combustion plants (LCP) or by Directive 2015/2193/EU.

Other BAT conclusions and reference documents which may be of relevance for the activities covered by these BAT conclusions are the following:

- Economics and Cross-Media Effects (ECM).

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- Emissions from Storage (EFS).
- Energy Efficiency (ENE).
- Waste Treatment (WT).
- Large Combustion Plants (LCP).
- Surface Treatment of Metals and Plastics (STM).
- Monitoring of Emissions to Air and Water from IED Installations (ROM).

DEFINITIONS

For the purposes of these BAT conclusions, the following definitions apply:

General terms	
Term used	Definition
Base coat	Paint which, when applied to a substrate, determines the colour and the effect (e.g. metallic, pearlescent).
Batch discharge	Discharge of a discrete, contained volume of water.
Clear coat	Coating material which, when applied to a substrate, forms a solid transparent film with protective, decorative or specific technical properties.
Combiline	Combination of hot-dip galvanising and coil coating in the same process line.
Continuous measurement	Measurement using an automated measuring system permanently installed on site for continuous monitoring of emissions, according to EN 14181.
Direct discharge	Discharge to a receiving water body without further downstream waste water treatment.
Emission factors	Coefficients that can be multiplied by known data such as plant/process data or throughput data to estimate emissions.
Existing plant	A plant that is not a new plant.
Fugitive emissions	Fugitive emissions as defined in Article 57(3) of Directive 2010/75/EU.
Grade B or C creosote	Types of creosote for which specifications are given in EN 13991.
Indirect discharge	Discharge which is not a direct discharge.
Major plant upgrade	A major change in the design or technology of a plant with major adjustments or replacements of the process and/or abatement technique(s) and associated equipment.
New plant	A plant first permitted on the site of the installation following the publication of these BAT conclusions or a complete replacement

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	of a plant following the publication of these BAT conclusions.
Off-gas	The gas extracted from a process, piece of equipment or area which is either directed to treatment or discharged directly to air through a stack.
Organic compound	Organic compound as defined in Article 3(44) of Directive 2010/75/EU.
Organic solvent	Organic solvent as defined in Article 3(46) of Directive 2010/75/EU.
Plant	All parts of an installation that carry out an activity listed in point 6.7 or 6.10 of Annex I to Directive 2010/75/EU and any other directly associated activities which have an effect on consumption and/or emissions. Plants may be new plants or existing plants.
Primer coat	Paint formulated for use as a layer on a prepared surface, to provide good adhesion, protection of any layers below and filling of surface irregularities.
Sector	Any of the surface treatment activities that are part of activities listed in point 6.7 of Annex I to Directive 2010/75/EU and are referred to in Section 1 of these BAT conclusions.
Sensitive receptor	Area which needs special protection, such as: <ul style="list-style-type: none"> — residential areas, — areas where human activities are carried out (e.g. neighbouring workplaces, schools, day-care centres, recreational areas, hospitals or nursing homes).
Solid mass input	The total mass of solids used as defined in Part 5, 3(a)(i) of Annex VII to Directive 2010/75/EU.
Solvent	‘Solvent’ refers to ‘organic solvent’.
Solvent input	The total quantity of organic solvents used as defined in Part 7, 3(b) of Annex VII to Directive 2010/75/EU.
Solvent-based (SB)	Type of paint, ink or other coating material using solvent(s) as the carrier. For the preservation of wood and wood products, it refers to the type of treatment chemicals.
Solvent-based-mix (SB-mix)	Solvent-based coating where one of the coating layers is water-based (WB).