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Addition of 1-BP (nPB) to the Clean Air Act List of Hazardous Air Pollutants

Información relacionada en español <<https://espanol.epa.gov/espanol/peticiones-para-agregar-el-1-bp-npb-la-lista-de-contaminantes-peligrosos-del-aire-de-la-ley>>

Note: 1-bromopropane (1-BP) is also known as nPB

Petition Summary

Q&A Document for 1-BP

On December 22, 2021, U.S.

Environmental Protection Agency

(EPA) Administrator Michael S. Regan

signed the final rule to add 1-

bromopropane (1-BP) to the Clean





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hazardous air pollutants (also known as air toxics). The CAA allows any person to

petition EPA to modify the list by adding or deleting a substance. To add a substance, the petition must provide adequate data for EPA to determine that emissions, ambient concentrations, bioaccumulation, or deposition of the substance are known to cause or may reasonably be anticipated to cause adverse effects to human health or the environment.

EPA received petitions requesting 1-BP be added to the CAA list of hazardous air pollutants. The chemical 1-bromopropane (1-BP), also known as n-propyl bromide (nPB), is a solvent used in electronics and metal cleaning, surface coatings, dry cleaning, adhesives, and as an intermediate chemical in the manufacture of pharmaceuticals and agricultural products.

In 2015, EPA determined that the petitions were complete. To aid the Agency in its technical review of the petitions, EPA published a Federal Register notice requesting public comment on the complete petitions. EPA conducted a thorough review of the petitions, relevant scientific studies, and the public comments received. Based on the evidence of the carcinogenicity and toxicity of 1-BP, EPA concluded that 1-BP is reasonably anticipated to cause adverse effects to human health. In 2017, EPA issued a draft notice of its rationale for granting petitions to add 1-BP to the list of hazardous air pollutants contained in the CAA.

On June 18, 2020, the final notice granting petitions from HSI/A and NYSDEC to add 1-BP to the CAA list of hazardous air pollutants was published in the *Federal Register*. On June 2, 2021, EPA issued an Advanced Notice of Proposed Rulemaking soliciting data and information on 1-BP usage and emission controls and associated costs.

pollutants (HAP). This action was

published in the Federal Register on January 5, 2022.

The EPA developed a 1-BP Q&A Document to provide initial guidance to stakeholders in the form of questions and answers about some of the potential impacts of the addition of 1-BP to the HAP list.  1-BP Q&A Document (pdf)

<<https://epa.gov/system/files/documents/2022-01/1bp-q-and-a-document-final.pdf>> (183.99 KB, 1/5/2022)



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Rule was published in the Federal Register on January 3, 2022, adding 1-BP to the HAP list as of February 4, 2022.

Petition Review History

1/5/2022 - Final Rule adding 1-bromopropane to the List of Hazardous Air Pollutants [05/pdf/2021-28315.pdf](https://www.govinfo.gov/content/pkg/fr-2022-01-05/pdf/2021-28315.pdf) <<https://www.govinfo.gov/content/pkg/fr-2022-01-05/pdf/2021-28315.pdf>>

6/18/2020 - Federal Register Notice: Granting Petitions To Add 1-bromopropane to the List of Hazardous Air Pollutants [05/pdf/2021-28315.pdf](https://www.federalregister.gov/documents/2020/06/18/2020-13145/granting-petitions-to-add-1-bromopropane-also-known-as-1-bp-to-the-list-of-hazardous-air-pollutants) <<https://www.federalregister.gov/documents/2020/06/18/2020-13145/granting-petitions-to-add-1-bromopropane-also-known-as-1-bp-to-the-list-of-hazardous-air-pollutants>>

6/6/2017 - Notice: Extension of Comment Period [05/pdf/2021-28315.pdf](https://www.govinfo.gov/content/pkg/fr-2017-06-06/pdf/2017-11623.pdf) <<https://www.govinfo.gov/content/pkg/fr-2017-06-06/pdf/2017-11623.pdf>>

3/6/2017 - Notice: Extension of Comment Period [05/pdf/2021-28315.pdf](https://www.govinfo.gov/content/pkg/fr-2017-03-06/pdf/2017-04168.pdf) <<https://www.govinfo.gov/content/pkg/fr-2017-03-06/pdf/2017-04168.pdf>>

1/9/2017 - Notice: Draft Rationale for Granting Petitions to Add 1-bromopropane to the List of Hazardous Air Pollutants [05/pdf/2021-28315.pdf](https://www.govinfo.gov/content/pkg/fr-2017-01-09/pdf/2017-00158.pdf) <<https://www.govinfo.gov/content/pkg/fr-2017-01-09/pdf/2017-00158.pdf>>

2/6/2015 - Notice of Complete Petition: Petition to Add 1-bromopropane to the List of Hazardous Air Pollutants [05/pdf/2021-28315.pdf](https://www.govinfo.gov/content/pkg/fr-2015-02-06/pdf/2015-01705.pdf) <<https://www.govinfo.gov/content/pkg/fr-2015-02-06/pdf/2015-01705.pdf>>

Additional Resources

1-BP Q&A Document (pdf) <<https://epa.gov/system/files/documents/2022-01/1bp-q-and-a-document-final.pdf>> (183.99 KB, 1/5/2022)

Fact Sheet – Final Rule: Amendment to the Clean Air Act Section 112 List of Hazardous Air Pollutants (pdf) <<https://epa.gov/system/files/documents/2021-12/fact-sheet-1-bp-listing-action-12-22-21.pdf>> (100.34 KB, 12/22/2021)



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1-bromopropane Draft Toxic Substances Control Act Risk Evaluation [✕](https://www.govinfo.gov/content/pkg/fr-2019-08-12/pdf/2019-17222.pdf) and TSCA Science Advisory Committee on Chemicals Review of Risk Evaluation for 1-bromopropane Docket [✕](#)

Clean Air Act List of Hazardous Air Pollutants <<https://epa.gov/haps/initial-list-hazardous-air-pollutants-modifications>>

- 1-BP ANPRN webinar slides (pdf) <<https://epa.gov/system/files/documents/2021-07/1-bp-webinar-slides.pdf>> (759.54 KB, 1/5/2022)
- Webinar: Feedback on the 1-BP ANPRM (pdf) <https://epa.gov/system/files/documents/2021-07/1-bp_anprm_webinar_announcement_06.11.2021_v2.pdf> (149.82 KB)
- Fact Sheet: Advance Notice of Proposed Rulemaking (pdf) <https://epa.gov/sites/default/files/2021-06/documents/1bp_fact_sheet_for_anprm.pdf> (155.52 KB, 6/8/2021)
- Fact Sheet - Final Notice: Granting Petitions to List 1-bromopropane (1-BP) as an Air Toxic (pdf) <https://epa.gov/sites/default/files/2020-06/documents/fact_sheet_1-bp_final_notice.pdf> (895.67 KB, 6/18/2020)
- Fact Sheet - Granting Petitions to Add nPB to the list of Hazardous Air Pollutants (pdf) <<https://epa.gov/sites/default/files/2016-12/documents/npb-fact-sheet.pdf>> (101.44 KB, 12/28/2016)

Contact Us <<https://epa.gov/haps/forms/contact-us-about-hazardous-air-pollutants>> to ask a question, provide feedback, or report a problem.

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