

Non-fluorinated PTFE water dispersant

Able to use PTFE particles without fluorinated dispersant

Summary

PTFE (Polytetrafluoroethylene) particles are industrially important particles used for many purposes. They are often used with their surfaces coated with dispersants and dispersed in water. Fluorinated dispersants are used as dispersant, but there is a strong concern about its bioaccumulation and environmental persistence, and it is necessary to find an alternative agent that doesn't use fluorine.

This invention is about a non-fluorinated dispersant that can disperse PTFE in water.

Effect / Application

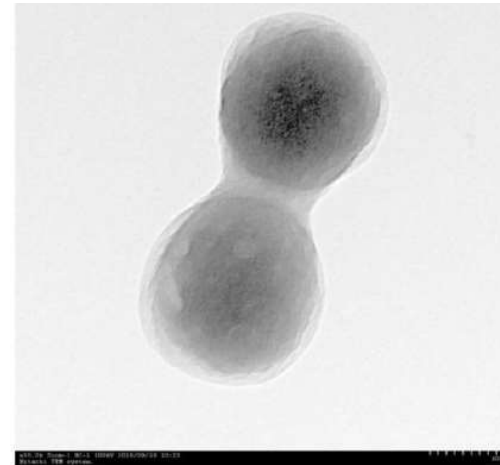
Since PTFE water dispersant can be prepared without fluorinated dispersants, they are less impact on the organism and environment. The application to following are expected :

- Binder
- Lubricant
- Protective film
- Catalyst

Patent Data Sheet

Patent application number: JP2020-126837
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Particle after coating (TEM picture)



With coating Without coating



As the application is still not published, the details of the dispersant can be disclosed after signing an agreement including a confidentiality clause.

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