



Båtmiljörådet

2011-05-25

Agenda

1. Föregående protokoll
2. Slutredovisning av initiativet "Ren botten utan gift" med tilläggsuppdraget land och båt toaletter. Erik Noaksson, Jegrelius
3. Nya krav på bottenfärger? Keml, Kurt Haglund
 - Åtgärder mot färger med högt innehåll av zinkoxid.
 - Nya villkor för användning av båtbottenfärger.
4. Toalettuppdraget, Lina Petersson Transportstyrelsen senaste nytt i projektet.
5. Vem gör vad inom båtmiljön och med vilka medel. Konkret handlingsplan till båtmiljöprogrammet, Lennart Falck SXX
6. Övriga frågor
 - Kort info från TS angående omorganisation
7. Nästa möte
 - 2011-09-19 Rosenvik, Stockholm
 - 2011-12-07 Målargatan, Stockholm

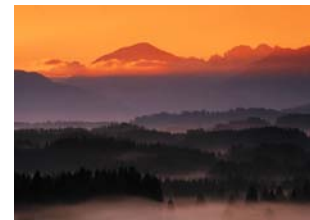


Antifouling paints



Physical mechanism only?

Background



- **1999** several new physically acting coatings were introduced to the Swedish market. The antifouling mechanism is "polishing" and the central ingredient is ZnO. No approval process needed due to legal exemption.
- **March 1999** KemI sends an injunction to a company asking them to motivate the high level of ZnO in one of their paints and submit data that shows that ZnO does not have biocidal activity. KemI did not consider the answer satisfactory, but the case was ended in Nov 1999.
- **High ZnO content** in polishing paints leads to release of large amounts of ZnO to the aquatic environment in areas that are particularly sensitive, and it is likely that the mechanism is not only physical.
- **KemI considers this to be a problem.** In a report to the Swedish Government 2005 on how to reduce the risks with toxic boat paints KemI presented their intention to execute control of physically acting paints.

Inspection project 2005



Four rounds of injunctions since the start.

The companies were asked to:

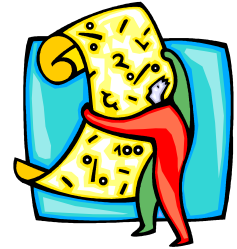
- describe how the products prevent fouling
- provide evidence if the mechanism is only physical
- present specific information on the zinc concentration at the paint surface and how this relates to the toxicity to target organisms.

KemI provided

- toxicity data for target organisms
- modelled estimates of the zinc concentration at the paint surface which support that the products also have a chemical action mechanism

KemI's conclusion: No satisfactory alternative estimations or measurements of the zinc concentration at the paint surface have been submitted to KemI.

Kemi's conclusions



- The paints in question are designed to release ZnO to the aquatic environment. In this respect they can be compared to many traditional biocidal paints. Kemi considers this to be a problem.
- If the concentration of a substance at the paint surface is high enough to have toxic effect on potential target organisms, the action mechanism is considered to be chemical.

Kemi concludes that there is a chemical efficacy component in the examined paints, and that they therefore do not fulfil the criteria for exemption from the requirement for approval due to physical action mechanism.

Prohibition



- Identified antifouling paints with physical action and high levels of zinc oxide
- September 2011
- If an appeal is made the prohibition is inhibited until it gains legal force

Area of use



New phrases in approvals

Current phrases for area of use:

pleasure boats

- Mot påväxt av vattenlevande organismer på fritidsbåtar och andra fartyg med en egenvikt över 200 kg och med huvudsaklig fart på Västkusten (från Trelleborg till norska gränsen). [[Against fouling by aquatic organisms on pleasure boats and other boats weighing more than 200 kg with main trade on the west coast \(from Trelleborg to the Norwegian border\).](#)]
- Mot påväxt av vattenlevande organismer på fritidsbåtar, med huvudsaklig fart på hav (utom Östersjön). [[Against fouling by aquatic organisms on pleasure boats, with main trade on seas \(excluding the Baltic Sea\).](#)]

Current phrases for area of use:

ships

- Mot påväxt av vattenlevande organismer på fartyg längre än 12 meter, med huvudsaklig fart på Nordsjön, Östersjön (utom Bottniska viken) eller oceanerna.
[Against fouling by aquatic organisms on ships longer than 12 meters with main trade on the North Sea, the Baltic Sea (except the Bothnian Bay) or the oceans.]
- Mot påväxt av vattenlevande organismer på fartyg längre än 12 meter med huvudsaklig fart på hav (utom Bottniska viken).
[Against fouling by aquatic organisms on ships longer than 12 meters with main trade on seas (except the Bothnian Bay).]
- Mot påväxt av vattenlevande organismer på fartyg längre än 12 meter, med huvudsaklig fart på Nordsjön eller oceanerna.
[Against fouling by aquatic organisms on ships longer than 12 meters with main trade on the North Sea or the oceans.]
- Mot påväxt av vattenlevande organismer på fartyg längre än 12 meter med huvudsaklig fart på hav (utom Östersjön).
[Against fouling by aquatic organisms on ships longer than 12 meters with main trade on seas (except the Baltic Sea).]

New phrases for area of use: pleasure boats

- Färg för användning på Västkusten:
Mot påväxt av vattenlevande organismer på båtar med en egenvikt över 200 kg och med huvudsaklig förtöjningsplats på Västkusten (från Trelleborg till norska gränsen).
[Against fouling by aquatic organisms on boats weighing more than 200 kg with main mooring point on the west coast (from Trelleborg to the Norwegian border).]
- Färg för användning på Västkusten och Ostkusten:
Mot påväxt av vattenlevande organismer på båtar med en egenvikt över 200 kg och med huvudsaklig förtöjningsplats på Ostkusten eller Västkusten (från Örskär till norska gränsen).
[Against fouling by aquatic organisms on boats weighing more than 200 kg with main mooring point on the east or west coast (from Örskär to the Norwegian border).]

New phrases for area of use: ships

- Färg som får användas i Östersjön:
Mot påväxt av vattenlevande organismer på fartyg, utom fritidsbåtar enligt definitionen i Fritidsbåt direktivet 94/25/EG (upp till 24 m längd), med huvudsaklig fart på hav (utom Bottniska viken).
[Against fouling by aquatic organisms on ships, excluding pleasure boats according to the definition in the Recreational Craft Directive 94/25/EC (length up to 24 meters), with main trade on seas (except the Bothnian Bay).]
- Färg som *inte* får användas i Östersjön:
Mot påväxt av vattenlevande organismer på fartyg, utom fritidsbåtar enligt definitionen i Fritidsbåt direktivet 94/25/EG (upp till 24 m längd), med huvudsaklig fart på hav (utom Östersjön).
[Against fouling by aquatic organisms on ships, excluding pleasure boats according to the definition in the Recreational Craft Directive 94/25/EC (length up to 24 meters), with main trade on seas (except the Baltic Sea).]

Kemi's reasons for changing the phrases

- The new phrases better reflect the risk assessment of antifouling paints for pleasure boats. Pleasure boats in Sweden are moored ca 90% of the time they spend in the sea. Where boats are moored biocide concentrations are the highest, and biocide release in marinas are decisive in the risk assessments.
- The new phrases are more clear and easier to follow. We expect better compliance than with the old phrases.
- The increased clarity would make it easier to apply certain agreements or rules within a boat club, e.g. to use methods to prevent fouling that are better for the environment.
- Implementation of the new phrases will be done gradually in connection to new approvals or renewal of existing approvals.