

# ABC Evaluation Denmark

## Cargo 3000

The below ABC-evaluation is made according to the Danish Environmental Protection Agency's **Guidance No. 77 (2025): Connection of Industrial Wastewater to Wastewater Utility Treatment Plants**, Danish Environmental Protection Agency – Chapter 3.7 (ABC evaluation of organic substances)

This evaluation is based on the information in MSDS: Cargo 3000, last revised the 13.02.2023, version 6.03. and pre calculation of the product as use solution 1-7% based on the technical data sheet.

### ABC Criteria (Guidance 2025)

According to Guidance No 77 (2025) section 3.7.2, the ABC classification is based exclusively on CLP hazard statements (H-statements):

**A substance:** Substances with severe and irreversible human health effects (e.g. H340, H350, H360) or very high environmental toxicity (H400, H410).

**B substances:** Substances with chronic environmental toxicity (H411, **H412**, H413).

**C substances:** All other substances not classified as A or B.

### Relevant Constituents (SDS, Section 3.2):

| Substance            | CAS No.    | Content [%] | Relevant CLP classifications<br>Human health hazard statement codes | ABC classification |
|----------------------|------------|-------------|---------------------------------------------------------------------|--------------------|
| Sodium Hydroxide     | 1310-73-2  | 1-5         | H290, H314, H318                                                    | <b>C</b>           |
| Alkyl ether sulfates | 68891-38-3 | 1-5         | H315, H318, <b>H412</b>                                             | <b>B</b>           |

### ABC Evaluation of Individual Substances

**Sodium Hydroxide** is classified as Skin Cor. 1A (H314) and Eye Dam. 1 (H318). No H-statement is triggering A or B classification under the ABC system. It is an inorganic substance that is neither persistent nor bioaccumulative. Sodium Hydroxide matches the criteria for ABC category C.

Although Sodium Hydroxide is classified as a C substance in the ABC categories, it is highly relevant for wastewater regulation due to its strong alkalinity and corrosive properties. According to Guidance 2025, physical-chemical parameters such as pH and corrosivity must be regulated through permit conditions and BAT (Best Available Techniques)

**Alkyl Ether Sulfates** is classified as Aquatic Chronic 3 (H412) . H412 is explicit listed as a criterion for Substances in Guidance 2025 and need to be assigned to the ABC category B.

#### **Relevant Constituents at use solution 1- 7 % and pH 12-12,5**

Based on the CLP pre calculation of the product as use solution there are no hazardous ingredients which need to be considered for the ABC evaluation.

*This information is provided in good faith and is believed accurate as of the date of this letter based on a review of current available information. No warranty is expressed or implied. Liability is explicitly disclaimed.*

#### **Conclusion**

Cargo 3000 is not to be classified under ABC criteria Guidance No. 77 (2025).

Discharge to sewer is in principle permissible, if conditions are imposed requiring BAT, pH control, and limitation of surfactant emissions to protect the sewer system, the wastewater treatment plant, and the receiving water body.

#### **References**

<https://mst.dk/publikationer/2025/september/tilslutning-af-industrispildevand-til-spildevandsforsyningsselskabernes-spildevandsanlaeg>