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# On the Aquatic Hazard Classification of Metals and Alloy

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# Aquatic Hazard Classification

- **Definition**
- **Current OECD Globally Harmonised Classification System (GHS)**
- **Application to metals, metal compounds and alloys**
- **Draft OECD Transformation/Dissolution Protocol**

# Critical Surface Area (CSA)

- **Development**
- **Application to metals for Hazard Classification**
- **Worked example**

# Hazard Classification of Alloys

- **GHS Scheme for Acute and Chronic Classification of mixtures**
- **Examples of application to the Hazard Identification of two alloys**
- **Comparison of outcomes of different approaches**

# Conclusions

- **Applicability of GHS to metals and alloys**
- **CSA could be used to classify and label metals and metal compounds**
- **under T/D conditions, alloys behave as discrete substances, not mixtures**
- **T/D of alloys approach offers a better approach to their Hazard Classification than the mixture or summation approaches**

