

HAZRUNOFF

PROJECT

Practical exercise on HNS behaviour SEBC understanding

CEDRE

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The Material Safety Data Sheet

- MSDS (Material Safety Data Sheet) produced / drafted by manufacturer (legal obligation)
- 16 compulsory sections



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1. Identification of the substance / mixture and of the company / undertaking

2. Hazards identification

3. Composition / information on ingredients

4. First-aid measures

5. Fire - fighting measures

6. Accidental release measures

7. Handling and storage

8. Exposure controls / personal protection

9. Physical and chemical properties

10. Stability and reactivity

11. Toxicological information

12. Ecological information

13. Disposal considerations

14. Transport information

15. Regulatory information

16. Other information

Contribution of MSDS to the chemical behavior understanding



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Practical exercise: Which behaviour ?

- MSDS

- Benzene
- Linear Alkyl Benzene
- Sulphur, Solid
- Toluene
- p-Xylene

- Physical and Chemical properties

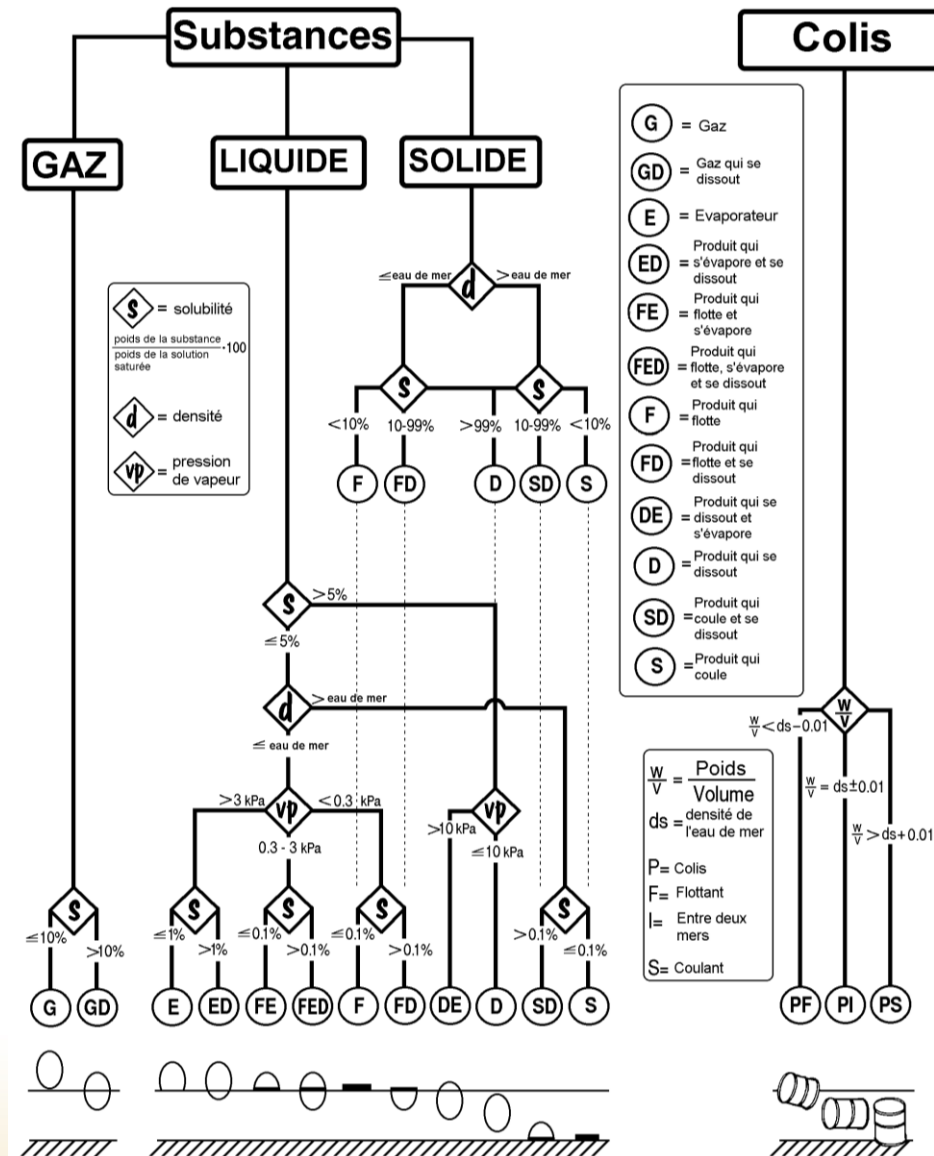


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How to use the Standard European Behaviour Code



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- **But keep in mind**

- **MSDS designed for land/factory based worker**
- With more or less information
- More or less reliable
- Physical and chemical properties from the lab
- The impact of weather condition is not considered



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Additional information

- Interest in looking at other databases
 - <http://www.ericards.net/>
 - <http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/ergmenu.aspx>
 - ...
- be ready to use conversion tools
 - <https://converticious.com/>
 - kg/m³ to ppm, mg/L to %...
- Commercial names
 - <http://ccinfoweb.ccohs.ca/cheminfo/search.html>
- Lack of ecotoxicology data
 - [HNS-MS project](#)



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- “Easy” to predict the short term behaviour
- BUT, keep in mind that the environment will have an impact on the fate of the product...
- Need to get advice from expert



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