Handling chemical substances

http://www.rect.muni.cz/nso/

sekce Chemické látky – For foreigners

Hazard classes

Physical hazard	Health hazard	Environmental hazard
explosives gases under pressure flammable substances etc.	acute toxicity skin corrosion skin irritation eye damage carcinogens mutagens etc.	acute / chronic aquatic toxicity

Pictograms for hazard classes

In handling chemical substances, it is the responsibility of everyone to observe:

- hazard symbols
- hazard statements
- precautionary statements
- protect human health
- protect the environment

Hazard statements - They are intended to form a set of standardized phrases about the hazards of chemical substances

https://en.wikipedia.org/wiki/GHS_hazard_statements

Precautionary statements - They are intended to form a set of standardized phrases giving advice about the correct handling of chemical substances

https://en.wikipedia.org/wiki/GHS_precautionary_statements

Signal word

"Danger" or "Warning"

are used to emphasize hazards and indicate the relative level of severity of the hazard, assigned to a hazard class.

Some lower level hazard categories do not use signal words.

Safety data sheet (SDS)

- it is intended to provide workers with procedures for handling that substance in a safe manner,
- includes information such as physical data (melting point, boiling point, flash point, etc.), toxicity, health effects, first aid, reactivity, storage, disposal, protective equipment, and spill-handling procedures.
- SDS formats can vary from source to source within a country depending on national requirements.