

Implementation of the GHS at BODE

The United Nations passed the new classification and labelling system for chemicals [Globally Harmonised System of Classification and Labelling of Chemicals \(GHS\)](#). The classification, labelling and packaging regulations (CLP) of the GHS have been implemented within the EU. These changes affect all chemicals.

Transition periods:

- until 01 December 2010 for substances
- **until 01 June 2015 for mixtures (preparations)**

Existing stock with old labelling can be marketed within two years after expiration of the transition periods.

What does the GHS change?

Basically, the new GHS regulation replaces the regulations of the 67/548/EWG directive (substances) and the 1999/45/EC directive (preparations) on classification and labelling.

The GHS regulation comprises new labelling elements:

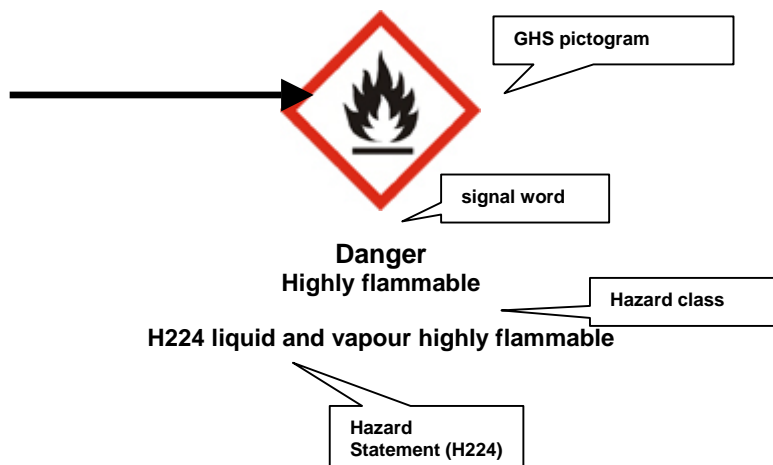
- **Hazard Classes** and **Hazard Categories** = hazardous properties
- **Hazard Statement** = Risk phrases
- **Precautionary Statement** = Safety phrases
- **Warning / Danger** = signal words and
- **GHS pictogram** = the orange symbols are replaced by red framed rhombuses.

former labelling (acc. to 1999/45/EC directive)



F
Highly flammable
R11 Highly Flammable

new labelling (acc. to GHS)



Timing of the implementation of the GHS regulation:










BODE produces preparations / mixtures and will implement the required GHS regulations on time until **01 June 2015**.

Product labelling / safety data sheets will not be adapted before 01 December 2012. In the transition period (until 01 June 2015), we are obliged to also specify the old classification in the safety data sheet. **We will inform you about the changes of the BODE products in good time.**

Additional GHS information:

The [GHS-Konverter](#) in GisChem provides the opportunity to become familiar with the classification and labelling. In addition, it helps you pre-estimate which substances and mixtures will be affected by a reclassification. With this interactive system you can directly compare the "old" and "new" labelling.

New hazard classes and pictograms (acc. to GHS)

Picto-gram	Hazard classes / Hazard statements								
	Explosives (unstable, 1.1-1.4) H200-H204	Self-reactive substances + mixtures (Types A+B) H240-H241)	Organic peroxides (Types A+B) H240-H241)						
	Flammable gases (Cat. 1) H220	Flammable aerosols (Cat. 1+2) H222-H223	Flammable liquids (Cat. 1+2+3) H224-H226	Flammable solids (Cat. 1+2) H228	Self-reactive substances (Types B-F) H241-H242	Pyrophoric liquids + solids (Cat. 1) H25	Self-heating substances + mixtures (Cat. 1+2) H215-H252	Emitting gases in contact with water (Cat. 1+2+3) H260-H261	Organic peroxides (Types B+F) H241-H242
	Oxidising gases (Cat. 1) H270	Oxidising liquids + solids (Cat. 1+2+3) H271-H272							
	Gases under pressure H280-H281								
	Corrosive to metals (Cat. 1) H290	Skin corrosion / irritation (Cat. 1A, 1B, 1C) H314	Serious eye damage (Cat. 1) H318						
	Acute toxicity (Cat. 1+2+3) H300-H301								
	Acute toxicity (Cat. 4) H302	Skin corrosion / irritation (Cat. 2) H315	Serious eye damage (Cat. 2) H319	Skin / respiratory sensitisation (Skin 1) H317	STOT-single exposure (Cat. 3) H335 o. H336				
	Skin / respiratory sensitisation (Respiration 1) H334	Germ cell mutagenicity (Cat. 1A, 1B, 2) H340-H341	Carcinogenicity (Cat. 1A, 1B, 2) H350-H351	Toxic to reproduction (Cat. 1A, 1B, 2) H360-H361	STOT single exposure (Cat. 1+2) H370-H371	STOT repeated exposure (Cat. 1+2) H372-H373	Aspiration hazard (Cat. 1) H304		
	Aquatic toxicity (Cat. 1 acute+ chronic; Cat. 2 chronic) H400-H411								
kein	Aquatic toxicity (Cat. 3+4, chronic) H412-H413	Self-reactive substances + mixtures (Type G)	Organic peroxides (Type G)	Flammable gases (Cat. 2) H221	Explosives (1.5) H206	Explosives (1.6)	Lactation (Cat. 3) H363	Ozone depleting EUH059	

STOT = Specific target organ toxicity

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