






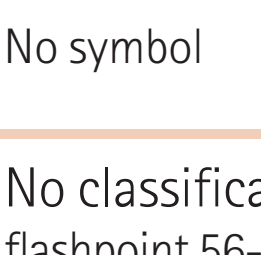










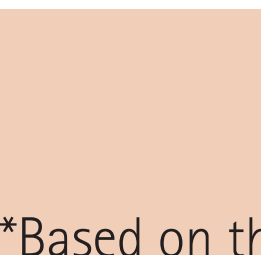


# GHS

Globally Harmonised  
System of Classification  
and Labelling of Chemicals

## The European Approach

### PHYSICAL HAZARDS

Hazard classes and hazard categories*	Label elements   NEW**	Label elements   OLD
Explosives <ul style="list-style-type: none"> <li>Unstable explosives</li> <li>explosives, divisions 1.1 to 1.3</li> </ul> Self-reactive substances, mixtures, types A, B Organic peroxides, types A, B	 H200 H201, H202, H203 H240, H241 H240, H241	 (R2, R3) Explosive
Explosives, division 1.4	 H204	No classification
Flammable gases, category 1 Flammable aerosols, category 1 Flammable liquids, category 1	 H220 H222 H224	 (R12) (R12) R12   R11 (R11) (R11)
Flammable liquids, category 2 Flammable solids, category 1 Flammable solids, category 2	 H225 H228 H228	 No symbol (R10) R10   R17 R17 (R15) (R15) (R15)
Flammable aerosols, category 2 Flammable liquids, category 3	 H223 H226	No classification flashpoint 56-60°C
Pyrophoric liquids, category 1 Pyrophoric solids, category 1 Substances, mixtures which in contact with water emit flammable gases, categories 1, 2 and category 3	 H250 H250 H260 H261 H261	 R12 R12 R12
Self-reactive substances, mixtures, type B Self-reactive substances, mixtures, types C, D and types E, F Self-heating substances, mixtures, category 1 and category 2	 H241 H242 H242 H251 H252	 R7 R7
Organic peroxides, type B Organic peroxides, types C, D Organic peroxides, types E, F	 H241 H242 H242	 R8 R8, R9 R8, R9
Oxidising gases, category 1 Oxidising liquids, categories 1, 2 and category 3 Oxidising solids, categories 1, 2 and category 3	 H270 H271, H272 H272 H271, H272 H272	No classification
Gases under pressure – Compressed gases – Liquefied gases – Refrigerated liquefied gases – Dissolved gases	 H280 H280 H281 H280	No classification
Corrosive to metals, category 1	 H290	No classification

\*Based on Annex I Regulation (EC) No 1272/2008 for all hazard categories with GHS pictograms

\*\*Based on the translation table of Annex VII Regulation (EC) No 1272/2008

\*\*\*Specific Target Organ Toxicity

### HEALTH HAZARDS

Hazard classes and hazard categories*	Label elements   NEW**	Label elements   OLD
Acute toxicity, categories 1, 2 <ul style="list-style-type: none"> <li>Oral</li> <li>Dermal</li> <li>Inhalation</li> </ul>	 H300 H310 H330	 R28 R27 R26
Acute toxicity, category 3 <ul style="list-style-type: none"> <li>Oral</li> <li>Dermal</li> <li>Inhalation</li> </ul>	 H301 H311 H331	 R25 R24 R23
Germ cell mutagenicity, categories 1A, 1B Carcinogenicity, categories 1A, 1B Reproductive toxicity, categories 1A, 1B STOT***, single exposure, category 1 STOT***, repeated exposure, category 1	 H340 H350 H360 H370 H372	 R46 R45, R49 R60, R61 R39 R48
Respiratory sensitisation, category 1 Aspiration hazard, category 1	 H334 H304	 R42 R65
Germ cell mutagenicity, category 2 Carcinogenicity, category 2 Reproductive toxicity, category 2 STOT***, single exposure, category 2 STOT***, repeated exposure, category 2	 H341 H351 H361 H371 H373	 R68 R40 R62, R63 R68 R48
Acute toxicity, category 4 <ul style="list-style-type: none"> <li>Oral</li> <li>Dermal</li> <li>Inhalation</li> </ul>	 H302 H312 H332	 R22 R21 R20
Skin corrosion, categories 1A, 1B, 1C	 H314	 R34, R35
Serious eye damage, category 1	 H318	 R41
Skin irritation, category 2 Eye irritation, category 2 Skin sensitisation, category 1 STOT*** after single exposure, category 3 <ul style="list-style-type: none"> <li>Respiratory tract irritation</li> </ul>	 H315 H319 H317   H335   H336	 R38 R36 R43  R37  No symbol R67
• Narcotic effects		
Hazardous to the aquatic environment, acute, category 1	 H400	 R50
Hazardous to the aquatic environment, chronic, category 1	 H410	 R50/53
Hazardous to the aquatic environment, chronic, category 2	 H411	 R51/53

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This poster is only a simplified and exemplary view on GHS. A direct conversion from GHS to the former EU classification and labelling is not possible.