



## The EU-GHS Hazard statements in English (Precautionary statements: see page 5)

Updated according to the 8<sup>th</sup> ATP of the CLP regulation of May 19, 2016 (= regulation (EU) 2016/918)

The modifications introduced by the 8<sup>th</sup> ATP are highlighted.

H Codes	H Phrases
H200	Unstable explosives.
H201	Explosive; mass explosion hazard.
H202	Explosive, severe projection hazard.
H203	Explosive; fire, blast or projection hazard.
H204	Fire or projection hazard.
H205	May mass explode in fire.
H220	Extremely flammable gas.
H221	Flammable gas.
H222	Extremely flammable aerosol.
H223	Flammable aerosol.
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H229	Pressurised container: May burst if heated.
H230	May react explosively even in the absence of air.
H231	May react explosively even in the absence of air at elevated pressure and/or temperature.
H240	Heating may cause an explosion.
H241	Heating may cause a fire or explosion.
H242	Heating may cause a fire.
H250	Catches fire spontaneously if exposed to air.
H251	Self-heating: may catch fire.
H252	Self-heating in large quantities; may catch fire.
H260	In contact with water releases flammable gases which may ignite spontaneously.
H261	In contact with water releases flammable gases.
H270	May cause or intensify fire; oxidizer.
H271	May cause fire or explosion; strong oxidizer.

<b>H Codes</b>	<b>H Phrases</b>
H272	May intensify fire; oxidizer.
H280	Contains gas under pressure; may explode if heated.
H281	Contains refrigerated gas; may cause cryogenic burns or injury.
H290	May be corrosive to metals.
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage. (not needed beside H314)
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
H341	Suspected of causing genetic defects <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
H350	May cause cancer <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
H351	Suspected of causing cancer <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
H360	May damage fertility or the unborn child <i>&lt;state specific effect if known &gt; &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
H361	Suspected of damaging fertility or the unborn child <i>&lt;state specific effect if known&gt; &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
H362	May cause harm to breast-fed children.
H370	Causes damage to organs <i>&lt;or state all organs affected, if known&gt; &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .

<b>H Codes</b>	<b>H Phrases</b>
H371	May cause damage to organs <i>&lt;or state all organs affected, if known&gt;</i> <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
H372	Causes damage to organs <i>&lt;or state all organs affected, if known&gt;</i> through prolonged or repeated exposure <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
H373	May cause damage to organs <i>&lt;or state all organs affected, if known&gt;</i> through prolonged or repeated exposure <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
H300 + H310	Fatal if swallowed or in contact with skin.
H300 + H330	Fatal if swallowed or if inhaled.
H310 + H330	Fatal in contact with skin or if inhaled.
H300 + H310 + H330	Fatal if swallowed, in contact with skin or if inhaled.
H301 + H311	Toxic if swallowed or in contact with skin.
H301 + H331	Toxic if swallowed or if inhaled.
H311 + H331	Toxic in contact with skin or if inhaled.
H301 + H311 + H331	Toxic if swallowed, in contact with skin or if inhaled.
H302 + H312	Harmful if swallowed or in contact with skin.
H302 + H332	Harmful if swallowed or if inhaled.
H312 + H332	Harmful in contact with skin or if inhaled.
H302 + H312 + H332	Harmful if swallowed, in contact with skin or if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

<b>H Codes</b>	<b>H Phrases</b>
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
H420	Harms public health and the environment by destroying ozone in the upper atmosphere.

### **EUH Codes**

<b>EUH Code</b>	<b>EUH Phrases</b>
EUH001	Explosive when dry
EUH014	Reacts violently with water.
EUH018	In use may form flammable/explosive vapour-air mixture.
EUH019	May form explosive peroxides.
EUH029	Contact with water liberates toxic gas.
EUH031	Contact with acids liberates toxic gas.
EUH032	Contact with acids liberates very toxic gas.
EUH044	Risk of explosion if heated under confinement.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH070	Toxic by eye contact
EUH071	Corrosive to the respiratory tract.
EUH201 EUH201A	Contains lead. Should not be used on surfaces liable to be chewed or sucked by children. Warning! Contains lead.
EUH202	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
EUH203	Contains chromium (VI). May produce an allergic reaction.
EUH204	Contains isocyanates. May produce an allergic reaction.
EUH205	Contains epoxy constituents. May produce an allergic reaction.
EUH206	Warning! Do not use together with other products. May release dangerous gases (chlorine).
EUH207	Warning! Contains cadmium. Dangerous fumes are formed during use. See information supplied by the manufacturer. Comply with the safety instructions.
EUH208	Contains (name of sensitising substance). May produce an allergic reaction. (EUH08 may be omitted if EUH204 or EUH205 has to be applied.)
EUH209 EUH209A	Can become highly flammable in use. Can become flammable in use.
EUH210	Safety data sheet available on request
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

## The EU-GHS precautionary statements in English

If only the P code is highlighted, this means that the text of the P phrase remains unchanged, but the criteria for its selection have been modified. This may also be the case if the text has been modified, even if the P code is not highlighted. If a P phrase is new, the whole text is highlighted.

When a forward slash [/] appears in a P phrase, this indicates that a choice has to be made between the phrases they separate in accordance with the indications provided in annex IV of the CLP regulation.

The "Guidance on Labelling and Packaging in accordance with Regulation (EC) No 1272/2008" contains a guidance on the selection of the P phrases in chapter 7.

P Codes	P Phrases
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
<b>P202</b>	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P220	Keep away from clothing <b>and other</b> combustible materials.
<del>P221</del>	<del>Take any precaution to avoid mixing with combustibles...</del> ( <b>deleted</b> )
<b>P222</b>	Do not allow contact with air.
<b>P223</b>	Do not allow contact with water.
<b>P230</b>	Keep wetted with...
P231	Handle <b>and store contents</b> under inert gas/...
P232	Protect from moisture.
<b>P233</b>	Keep container tightly closed.
P234	Keep only in original <b>packaging</b> .
<b>P235</b>	Keep cool.
P240	Ground <b>and</b> bond container and receiving equipment.
P241	Use explosion-proof <b>[electrical/ventilating/lighting/...]</b> equipment.
P242	<b>Use non-sparking tools</b> .
P243	Take <b>action to prevent</b> static discharges.
P244	Keep valves and fittings free from oil and grease.
P250	Do not subject to grinding/shock/ <b>friction/...</b>
P251	Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
<b>P261</b>	Avoid breathing dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P263	Avoid contact during pregnancy <b>and</b> while nursing.

P264	Wash ... thoroughly after handling.
P270	Do no eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
<b>P280</b>	Wear protective gloves/protective clothing/eye protection/face protection.
P282	Wear cold insulating gloves <b>and either</b> face shield <b>or</b> eye protection.
P283	Wear fire resistant <b>or</b> flame retardant clothing.
<b>P284</b>	[In case of inadequate ventilation] wear respiratory protection.
P231+P232	Handle <b>and store contents</b> under inert gas/... Protect from moisture.
<del>P235+P410</del>	<del>Keep cool. Protect from sunlight. (deleted)</del>
P301	IF SWALLOWED:
<b>P302</b>	IF ON SKIN:
P303	IF ON SKIN (or hair):
P304	IF INHALED:
P305	IF IN EYES:
P306	IF ON CLOTHING:
P308	IF exposed or concerned:
P310	Immediately call a POISON CENTER/doctor/...
P311	Call a POISON CENTER/doctor/....
P312	Call a POISON CENTER/doctor/ <b>... if</b> you feel unwell.
P313	Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P315	Get immediate medical advice/attention.
<b>P320</b>	Specific treatment is urgent (see ... on this label).
<b>P321</b>	Specific treatment (see ... on this label).
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P332	If skin irritation occurs:
P333	If skin irritation or rash occurs:
P334	Immerse in cool water <b>[or</b> wrap in wet bandages <b>]</b> .
P335	Brush off loose particles from skin.
P336	Thaw frosted parts with lukewarm water. Do no rub affected area.
P337	If eye irritation persists:
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P340	Remove person to fresh air and keep comfortable for breathing.
P342	If experiencing respiratory symptoms:

P351	Rinse cautiously with water for several minutes.
P352	Wash with plenty of water/...
P353	Rinse skin with water [or shower].
P360	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P361	Take off immediately all contaminated clothing.
P362	Take off contaminated clothing.
P363	Wash contaminated clothing before reuse.
P364	And wash it before reuse.
<b>P370</b>	In case of fire:
P371	In case of major fire and large quantities:
P372	<b>Explosion risk.</b>
<b>P373</b>	DO NOT fight fire when fire reaches explosives.
P374	<del>Fight fire with normal precautions from a reasonable distance.</del> (deleted)
<b>P375</b>	Fight fire remotely due to the risk of explosion.
P376	Stop leak if safe to do so.
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
<b>P378</b>	Use ... to extinguish.
<b>P380</b>	Evacuate area.
P381	<b>In case of leakage,</b> eliminate all ignition sources.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.
P301+P330+P331	IF SWALLOWED: <b>Rinse</b> mouth. Do NOT induce vomiting.
P302+P334	IF ON SKIN: Immerse in cool water [or wrap in wet bandages].
P302+P335+P334	<b>IF ON SKIN: Brush off loose particles from skin. Immerse in cool water [or wrap in wet bandages].</b>
P302+P352	IF ON SKIN: Wash with plenty of water/...
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P306+P360	IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor/...
P308+P313	IF exposed or concerned: Get medical advice/attention.

<b>P332+P313</b>	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
<b>P335+P334</b>	<del>Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.</del> (deleted)
P336+P315	Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P376	In case of fire: Stop leak if safe to do so.
<b>P370+P378</b>	In case of fire: Use ... to extinguish.
<b>P370+P380</b>	<del>In case of fire: Evacuate area.</del> (deleted)
P370+P372+P380+ P373	In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.
<b>P370+P380+P375</b>	In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
P370+P380+P375 [+P378]	In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. [Use ... to extinguish].
P371+P380+P375	In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
P401	Store in accordance with...
P402	Store in a dry place.
<b>P403</b>	Store in a well-ventilated place.
P404	Store in a closed container.
P405	Store locked up.
P406	Store in a corrosion resistant/... container with a resistant inner liner.
P407	Maintain air gap between stacks or pallets.
P410	Protect from sunlight.
<b>P411</b>	Store at temperatures not exceeding ...°C/...°F.
<b>P412</b>	Do not expose to temperatures exceeding 50°C/ 122°F.
<b>P413</b>	Store bulk masses greater than ... kg/... lbs at temperatures not exceeding ...°C/...°F.
P420	Store separately.
<b>P422</b>	<del>Store contents under ...</del> (deleted)
P402+P404	Store in a dry place. Store in a closed container.
<b>P403+P233</b>	Store in a well-ventilated place. Keep container tightly closed.
<b>P403+P235</b>	Store in a well-ventilated place. Keep cool.
<b>P410+P403</b>	Protect from sunlight. Store in a well-ventilated place.
<b>P410+P412</b>	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

P411+P235	Store at temperatures not exceeding ...°C/...°F. Keep cool. (deleted)
P501	Dispose of contents/container to ...
P502	Refer to manufacturer or supplier for information on recovery or recycling.