

## The University of Hertfordshire Agricultural Substances Databases - Summary of Hazard Phrases: CLP Classification

The 'CLP' Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures, or simply 'CLP', introduces the United Nations globally harmonised system (UN GHS) for classification and labelling of chemicals into Europe. From December 2010 all pure substances, which includes crop protection substances must be assessed and classified according to the new CLP rules. Consequently the old Risk – and Safety-phrases approach is no longer used and has been replaced with Hazard- and Precautionary-phrases.

H-200 Physical Hazards			
<b>H200</b>	Unstable Explosive.	<b>H240</b>	Heating may cause an explosion.
<b>H201</b>	Explosive; mass explosion.	<b>H241</b>	Heating may cause a fire or explosion.
<b>H202</b>	Explosive; severe projection potential.	<b>H242</b>	Heating may cause a fire.
<b>H203</b>	Explosive; fire, blast or projection potential.	<b>H250</b>	Catches fire spontaneously if exposed to air.
<b>H204</b>	Fire or projection potential.	<b>H251</b>	Self-heating; may catch fire.
<b>H205</b>	May mass explode in fire.	<b>H252</b>	Self-heating in large quantities; may catch fire.
<b>H220</b>	Extremely flammable gas.	<b>H260</b>	In contact with water releases flammable gases which may ignite spontaneously.
<b>H221</b>	Flammable gas.	<b>H261</b>	In contact with water releases flammable gas .
<b>H222</b>	Extremely flammable aerosol.	<b>H270</b>	May cause or intensify fire; oxidiser.
<b>H223</b>	Flammable aerosol.	<b>H271</b>	May cause fire or explosion; strong oxidiser.
<b>H224</b>	Extremely flammable liquid & vapour.	<b>H272</b>	May intensify fire; oxidiser.
<b>H225</b>	Highly Flammable liquid & vapour.	<b>H280</b>	Contains gas under pressure; may explode if heated.
<b>H266</b>	Flammable liquid & vapour.	<b>H281</b>	Contains refrigerated gas; may cause cryogenic burns or injury.
<b>H228</b>	Flammable solid.	<b>H290</b>	May be corrosive to metals.

<b>H-300 Health Hazards</b>			
<b>H300</b>	Fatal if swallowed.	<b>H341</b>	Suspected of causing genetic defects.
<b>H301</b>	Toxic if swallowed.	<b>H350</b>	May cause cancer.
<b>H302</b>	Harmful if swallowed.	<b>H350i</b>	May cause cancer by inhalation.
<b>H304</b>	May be fatal if swallowed & enters airways.	<b>H351</b>	Suspected of causing cancer.
<b>H305</b>	May be fatal if swallowed & enters airways	<b>H360</b>	May damage fertility or the unborn child.
<b>H310</b>	Fatal in contact with skin.	<b>H360F</b>	May damage fertility.
<b>H311</b>	Toxic in contact with skin.	<b>H360D</b>	May damage the unborn child.
<b>H312</b>	Harmful in contact with skin.	<b>H360FD</b>	May damage fertility. May damage the unborn child.
<b>H414</b>	Causes severe skin burns & eye damage.	<b>H360Fd</b>	May damage fertility. Suspected of damaging unborn child.
<b>H315</b>	Causes severe skin burns & eye damage.	<b>H360Df</b>	May damage the unborn child. Suspected of damaging fertility.
<b>H317</b>	May cause an allergic skin reaction.	<b>H361</b>	Suspected of damaging fertility or the unborn child.
<b>H318</b>	Causes serious eye damage.	<b>H361f</b>	Suspected of damaging fertility.
<b>H319</b>	Causes serious eye irritation.	<b>H361d</b>	Suspected of damaging the unborn child.
<b>H330</b>	Fatal if inhaled.	<b>H361fd</b>	Suspected of damaging fertility. Suspected of damaging the unborn child.
<b>H331</b>	Fatal if inhaled.	<b>H362</b>	May cause harm to breast-fed children.
<b>H332</b>	Harmful if inhaled	<b>H370</b>	Causes damage to organs
<b>H334</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	<b>H371</b>	May cause damage to organs.
<b>H335</b>	May cause respiratory irritation.	<b>H372</b>	Causes damage to organs through prolonged or repeated exposure.
<b>H336</b>	May cause drowsiness or dizziness.	<b>H373</b>	Causes damage to organs through prolonged or repeated exposure.
<b>H340</b>	May cause genetic defects.		

<b>H-400 Environmental Hazards</b>			
<b>H400</b>	Very toxic to aquatic life.	<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.	<b>H413</b>	May cause long lasting harmful effects to aquatic life.
<b>H411</b>	Toxic to aquatic life with long lasting effects.	<b>H420</b>	Harms public health and the environment by destroying ozone in the upper atmosphere.

Combined Statements			
<b>H300 + H310</b>	Fatal if swallowed or in contact with skin.	<b>H301 + H331</b>	Toxic if swallowed or if inhaled.
<b>H300 + H330</b>	Fatal if swallowed or if inhaled.	<b>H301 + H311 + H331</b>	Toxic if swallowed, in contact with skin or if inhaled.
<b>H310 + H330</b>	Fatal in contact with skin or if inhaled.	<b>H302 + H312</b>	Harmful if swallowed or in contact with skin.
<b>H300 + H310 + H330</b>	Fatal if swallowed, in contact with skin or if inhaled.	<b>H312 + H332</b>	Harmful in contact with skin or if inhaled.
<b>H301 + H311</b>	Toxic if swallowed or in contact with skin.	<b>H302 + H312 + H332</b>	Harmful if swallowed, in contact with skin or if inhaled.

Other Hazard Statements			
<b>EUH001</b>	Explosive when dry.	<b>EUH201</b>	Contains lead. Should not be used on surfaces liable to be chewed or sucked by children. Warning! Contains lead.
<b>EUH006</b>	Explosive with or without contact with air.	<b>EUH202</b>	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
<b>EUH014</b>	Reacts violently with water.	<b>EUH071</b>	Corrosive to the respiratory tract.
<b>EUH018</b>	In use may form flammable / explosive vapour-air mixture.	<b>EUH203</b>	Contains chromium (VI). May produce an allergic reaction.
<b>EUH019</b>	May form explosive peroxides.	<b>EUH204</b>	Contains isocyanates. May produce an allergic reaction.
<b>EUH029</b>	Contact with water liberates toxic gas.	<b>EUH205</b>	Contains epoxy constituents. May produce an allergic reaction.
<b>EUH301</b>	Contact with acids liberates toxic gas.	<b>EUH206</b>	Warning! Do not use together with other products. May release dangerous gases (chlorine).
<b>EUH032</b>	Contact with acids liberates very toxic gas.	<b>EUH207</b>	Warning! Contains cadmium. Dangerous fumes are formed during use. See information supplied by the manufacturer.
<b>EUH044</b>	Risk of explosion if heated under confinement.	<b>EUH208</b>	Contains a sensitising substance. May produce an allergic reaction.
<b>EUH059</b>	Hazardous to the ozone layer.	<b>EU209</b>	Can become highly flammable in use. Can become flammable in use.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.	<b>EUH210</b>	Safety data sheet available on request.
<b>EUH070</b>	Toxic by eye contact.	<b>EUH401</b>	To avoid risks to human health and the environment, comply with the instructions for use.

