

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			
H200	Unstable explosives.	H225	Highly flammable liquid and vapour.
H201	Explosive; mass explosion hazard	H226	Flammable liquid and vapour
H202	Explosive, severe projection hazard.	H228	Flammable solid.
H203	Explosive; fire, blast or projection hazard.	H229	Pressurised container: May burst if heated
H204	Fire or projection hazard.	H230	May react explosively even in the absence of air.
H205	May mass explode in fire.	H231	May react explosively even in the absence of air at elevated pressure and/or temperature.
H206	Fire, blast or projection hazard; increased risk of explosion if desensitising agent is reduced.	H232	May ignite spontaneously if exposed to air.
H207	Fire or projection hazard; increased risk of explosion if desensitising agent is reduced	H240	Heating may cause an explosion.
H208	Fire hazard; increased risk of explosion if desensitising agent is reduced	H241	Heating may cause a fire or explosion.
H220	Extremely flammable gas.	H242	Heating may cause a fire.
H221	Flammable gas.	H250	Catches fire spontaneously if exposed to air.
H222	Extremely flammable aerosol.	H251	Self-heating: may catch fire.
H223	Flammable aerosol.	H252	Self-heating in large quantities; may catch fire.
H224	Extremely flammable liquid and vapour.	H260	In contact with water releases flammable gases which may ignite spontaneously.

H261	In contact with water releases flammable gases.	H281	Contains refrigerated gas; may cause cryogenic burns or injury.
H270	May cause or intensify fire; oxidiser.	H290	May be corrosive to metals.
H271	May cause fire or explosion; strong oxidiser.	EUH 001	Explosive when dry.
H272	May intensify fire; oxidiser.	EUH 006	Explosive with or without contact with air.
H280	Contains gas under pressure; may explode if heated.		

H-300 Health Hazards

H300	Fatal if swallowed.	H350	May cause cancer.
H301	Toxic if swallowed.	H350i	May cause cancer by inhalation.
H302	Harmful if swallowed.	H351	Suspected of causing cancer.
H304	May be fatal if swallowed and enters airways.	H360	May damage fertility or the unborn child.
H310	Fatal in contact with skin.	H360F	May damage fertility.
H311	Toxic in contact with skin.	H360D	May damage the unborn child.
H312	Harmful in contact with skin.	H360FD	May damage fertility. May damage the unborn child.
H314	Causes severe skin burns and eye damage.	H360Fd	May damage fertility. Suspected of damaging unborn child.
H315	Causes skin irritation.	H360Df	May damage the unborn child. Suspected of damaging fertility.
H317	May cause an allergic skin reaction.	H361f	Suspected of damaging fertility.
H318	Causes serious eye damage.	H361	Suspected of damaging fertility or the unborn child.
H319	Causes serious eye irritation.	H361d	Suspected of damaging the unborn child.
H330	Fatal if inhaled.	H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H331	Toxic if inhaled.	H362	May cause harm to breast-fed children.
H332	Harmful if inhaled.	H370	Causes damage to organs.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	H371	May cause damage to organs.
H335	May cause respiratory irritation.	H372	Causes damage to organs through prolonged or repeated exposure.
H336	May cause drowsiness or dizziness.	H373	May cause damage to organs through prolonged or repeated exposure.
H340	May cause genetic defects.	EUH 380	May cause endocrine disruption in humans.
H341	Suspected of causing genetic defects.	EUH 381	Suspected of causing endocrine disruption in humans.

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

H-400 Environmental Hazards			
H400	Very toxic to aquatic life.	EUH 430	May cause endocrine disruption in the environment.
H410	Very toxic to aquatic life with long lasting effects.	EUH 431	Suspected of causing endocrine disruption in the environment.
H411	Toxic to aquatic life with long lasting effects.	EUH 440	Accumulates in the environment and living organisms including in humans.
H412	Harmful to aquatic life with long lasting effects.	EUH 441	Strongly accumulates in the environment and living organisms including in humans.
H413	May cause long lasting harmful effects to aquatic life.	EUH 450	Can cause long-lasting and diffuse contamination of water resources
H420	Harms public health and the environment by destroying ozone in the upper atmosphere.	EUH 451	Can cause very long-lasting and diffuse contamination of water resources

Supplemental Hazard Information			
EUH 014	Reacts violently with water.	EUH 044	Risk of explosion if heated under confinement.
EUH 018	In use may form flammable / explosive vapour- air mixture.	EUH 059	Hazardous to the ozone layer.
EUH 019	May form explosive peroxides.	EUH 066	Repeated exposure may cause skin dryness or cracking.
EUH 029	Contact with water liberates toxic gas.	EUH 070	Toxic by eye contact.
EUH 031	Contact with acids liberates toxic gas.	EUH 032	Contact with acids liberates very toxic gas.

EUH 071	Corrosive to the respiratory tract.	EUH 207	Warning! Contains cadmium. Dangerous fumes are formed during use. See information supplied by the manufacturer. Comply with the safety instructions.
EUH 201 / 201A	Contains lead. Should not be used on surfaces liable to be chewed or sucked by children. / Warning! Contains lead.	EUH 208	Contains a sensitising substance. May produce an allergic reaction.
EUH 202	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.	EUH 209 / 209A	Can become highly flammable in use. / Can become flammable in use.
EUH 203	Contains chromium (VI). May produce an allergic reaction.	EUH 210	Safety data sheet available on request.
EUH 204	Contains isocyanates. May produce an allergic reaction.	EUH 211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
EUH 205	Contains epoxy constituents. May produce an allergic reaction.	EUH 212	Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.
EUH 206	Warning! Do not use together with other products. May release dangerous gases (chlorine).	EUH 401	To avoid risks to human health and the environment, comply with the instructions for use.