

This Information Sheet provides guidance on the changes brought about by the introduction of the Classification, Labelling and Packing Regulations (CLP) which come into full effect on 1<sup>st</sup> June 2015.

## **Background**

In the 1960s, the EU passed a Directive which set out a classification system for chemical substances (meaning chemical elements like titanium or oxygen, and compounds of these like titanium dioxide). This was called the Dangerous Substances Directive (DSD).

In time, the same approach was applied to chemicals made of more than one substance, which are used today by consumers and industry are preparations/mixtures. The law which set out these classification requirements was called the Dangerous Preparations Directive (DPD).



These two Directives DSD and DPD were implemented in the UK by a law called the Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 known as CHIP.

CHIP is well known by chemical suppliers, and chemical users who will

## **Classification, Labelling and Packaging (CLP) Regulations**


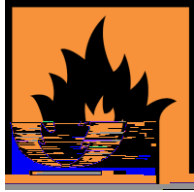
Within Europe these changes were addressed with the introduction of *The Classification, Labelling and Packaging (CLP) Regulations* which fully replaced CHIP and the Dangerous Substances Directive and Dangerous Preparations Directive from 1<sup>st</sup> June 2015.

The main changes brought about by CLP that chemical users will notice is that the orange and black symbols were replaced with red symbols and Risk and Safety Phrases were replaced with Hazard Statements and Precautionary Statements.

**Hazard Statement 'H'**: Replaced

## APPENDIX 1: COMPARISON OF (CLP) AND REVOKED (CHIP) INFORMATION<sup>1</sup>

### Physical Hazards

Hazard Classes and Categories	NEW CLP Label Elements			OLD CHIP Label Elements		
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	<b>Danger</b>		(R2, R3)	<b>Explosive</b>
Explosives, division 1.4		H204	<b>Warning</b>	No classification		
Flammable gases, category 1 Flammable aerosols, category 1 Flammable liquids, category 1		H220 H222 H224	<b>Warning / Danger</b>		(R12) (R12) R12	<b>Extremely Flammable</b>
Flammable liquids, category 2 Flammable solids, category 1 Flammable solids, <b>category 2</b>		H225 H228 <b>H228</b>			R11 (R11) (R11)	<b>Highly Flammable</b>
Flammable aerosols, category 2 Flammable liquids, category 3		H223 H226	<b>Warning</b>	No symbol	(R10) R10	<b>Flammable</b>
				No classification flashpoint 56 60°C		

<sup>1</sup> Simplified view of GHS. A direct comparison of GHS against previous EU Classification and Labelling is not possible

Hazard Classes and Categories	NEW CLP Label Elements	OLD CHIP Label Elements
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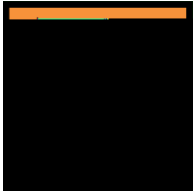
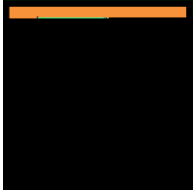
Hazard Classes and Categories	NEW CLP Label Elements			OLD CHIP Label Elements	
Corrosive to metals, category 1		H290	<b>Warning</b>	No classification	

**Health Hazards**

<b>Hazard Classes and Categories</b>	<b>NEW CLP Label Elements</b>			<b>OLD CHIP Label Elements</b>		
Acute toxicity, categories 1, 2 ○ Oral ○ Dermal ○ Inhalation		H300 H310 H330	<b>Danger</b>		R28 R27 R26	<b>Very Toxic</b>
Acute toxicity, category 3 ○ Oral ○ Dermal ○ Inhalation		H301 H311 H331			R25 R24 R23	<b>Toxic</b>

Hazard Classes and Categories	NEW CLP Label Elements			OLD CHIP Label Elements		
Acute toxicity, category 4 ○ Oral ○ Dermal ○ Inhalation		H302 H312 H332	<b>Warning</b>		R22 R21 R20	<b>Harmful</b>

**Environmental Hazards**

Hazard Classes and Categories	NEW CLP Label Elements			OLD CHIP Label Elements		
Hazardous to the aquatic environment, acute, category 1 Hazardous to the aquatic environment, chronic, category 1		H400  H410	<b>Warning</b>		R50  R50/R53	<b>Dangerous for the Environment</b>
Hazardous to the aquatic environment, chronic, <b><u>category 2</u></b>		<u>H411</u>			R51/R53	



## APPENDIX 2: HAZARD AND PRECAUTIONARY STATEMENTS

### **H 200 - Series: Physical Hazards**

H200	Unstable explosive
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 material
H224	Extremely flammable liquid and vapour
H225	Highly flammable liquid and vapour
H226	

- 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 *(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)*
- H341 Suspected of causing genetic defects *(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)*
- H350 May cause cancer *(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)*
- H350i May cause cancer by inhalation
- H351 Suspected of causing cancer *(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)*
- H360 May damage fertility or the unborn child *(state specific effect if known state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)*
- H360F May damage fertility
- H360D May damage the unborn child
- H360FD May damage fertility. May damage the unborn child
- H360Fd May damage fertility. Suspected of damaging the unborn child
- H360Df May damage the unborn child. Suspected of damaging fertility
- H361 Suspected of damaging fertility or the unborn child *(state specific effect if known state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)*
- H361f Suspected of damaging fertility
- H361d Suspected of damaging the unborn child
- H361fd Suspected of damaging fertility. Suspected of damaging the unborn child
- H362 May cause harm to breast-fed children
- H370 Causes damage to organs *(state specific effect if known state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)*
- H371 May cause damage to organs *(state specific effect if known state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)*
- H372 Causes damage to organs *(or state all organs affected, if known through prolonged or repeated exposure state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)*
- H373 May cause damage to organs

### **Supplemental Hazard Information (EUH-Statements)**

EUH 001	Explosive when dry
EUH 006	Explosive with or without contact with air
EUH 014	Reacts violently with water
EUH 018	In use may form flammable/explosive vapour-air mixture
EUH 019	May form explosive peroxides
EUH 044	Risk of explosion if heated under confinement
EUH 029	Contact with water liberates toxic gas
EUH 031	Contact with acids liberates toxic gas
EUH 032	Contact with acids liberates very toxic gas
EUH 066	Repeated exposure may cause skin dryness or cracking
EUH 070	Toxic by eye contact
EUH 071	Corrosive to the respiratory tract
EUH 059	Hazardous to the ozone layer
EUH 201/	Contains lead. Should not be used on surfaces lining the ozone layer

- P234 Keep only in original container
- P235 Keep cool
- P240 Ground/bond container and receiving equipment
- P241 Use explosion-proof electrical/ventilating/light/.../equipment
- P242 Use only non-sparking tools
- P243 Take precautionary measures against static discharge
- P244 Keep reduction valves free from grease and oil
- P250 Do not subject to grinding/shock/.../friction
- P251 Pressurized container Do not pierce or burn, even after use
- P260 Do not breathe dust/fume/gas/mist/vapours/spray
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray
- P262 Do not get in eyes, on skin, or on clothing
- P263 Avoid contact during pregnancy/while nursing
- P264 Wash ... thoroughly after handling
- P270 Do not 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.
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P281 Use personal protective equipment as required
- P282 Wear cold insulating gloves/face shield/eye protection
- P283 Wear fire/flame resistant/retardant clothing
- P284 Wear respiratory protection
- P285 In case of inadequate ventilation wear respiratory protection
- P231 +P232



P306 + P360