Pictogram	Description of Danger	UN Class	Category	Label Elements
Environmental Hazards				
\L	Hazardous to the aquatic environment acute Hazardous to the aquatic environment chronic	n/a	1	H400, H410
	Hazardous to the aquatic environment acute	n/a	2	H411
Physical H	azards			
	Oxidising gases		1, 2, 3	H270,
⟨♡⟩	Oxidising liquids	5.1		H271,
	Oxidising solids			H272
	Flammable gases		1	H220,
	Flammable aerosols	2		H222,
	Flammable liquids			H224
	Flammable liquids	44.2	1.2	H225,
^	Flammable solids	4.1, 3	1, 2	H228
(W)	Flammable aersols	2	2.2	H223,
	Flammable liquids	2	2, 3	H226
•	Organia navavidas	F 3	D.C.F.F	H241,
	Organic peroxides	5.2	B, C, E, F	H242
	Pyrophoric liquids	1	1	H250
	Pyrophoric solids	1	'	пизо

Pictogram	Description of Danger	UN Class	Category	Label Elements
^	Substances, mixtures which in contact with water emit flammable gases	1	1, 2, 3	H260, H261
	Self-reactive substances, mixtures	4.1	B, C, D, E, F	H241, H242, H251, H252
•	Self-heating substances, mixtures	4.1	1, 2	H241, H242, H251, H252
Health Haz	zards			
	Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT*** single exposure STOT*** repeated exposure	n/a	1, 1A, 1B 2	H341, H351, H361, H371, H373
	Respiratory sensitisation Aspiration hazard	n/a	1	H334, H304
	Acute toxicity category 4 ● oral ● dental • inhalation	6.1	4	H302, H312, H332
(!)	Skin irritation Eye irritation STOT*** after single exposure Respiratory tract irritation	6.1	2, 3	H315, H319, H317, H335
	Narcotic Effects	n/a	n/a	H336
	Skin corrosion	8	1A, 1B, 1C	H314
(T.S.)	Serious eye damage	n/a	1	H318
	Corrosive to metals		1	H290

CHEMICAL REGULATIONS CLP

On the 20th January 2009 the CLP element of REACH, European Regulation (EC) No 1272/2008 came into force concerning Classification, Labelling and Packaging (CLP) of chemical substances. It is based upon UN Globally Harmonized System of classification and labelling of Chemicals (GHS) and ensure worldwide uniformity.

ADR & LQ

European agreement concerning the international carriage of Dangerous Goods by road (ADR). If a substance is classified as hazardous for transport it will be assigned a UN number, this dictates the regulations that have to be applied when the substance is transported. Each UN number is assigned a limited quantity (LQ) which indicates the maximum pack size of a substance that can be transported without special restrictions. If the LQ is zero, or the pack size exceeds the LQ, then the substance must be transported by a specially trained and licensed courier.

Permits/EUDs (End User Declarations)

A permit is required by law to purchase certain chemicals. You only require a permit if purchasing more than 5 litres per annum. EUDs are also required for Drug Precursor Chemicals. Please note ESPO will only supply chemicals to educational establishments.

Delivery Surcharge

Please note due to the nature of these products it maybe necessary for ESPO to charge a carriage surcharge for the delivery of some of the most hazardous chemicals, if special transportation is required.

MCDC

Material Safety Data Sheets (MSDS) provide information on chemicals that help the users of those chemicals to make there own risk assessments. They describe the hazards the chemical presents, and give information on handling, storage and emergency measures in case of an accident. See espocatalogue.org for details of data sheets.

Storage

Please ensure all chemicals are stored away from pupils and are in the appropriate containers. Storage areas should be dry and well ventilated with a consistent temperature.

The information given is for guidance only, it is the individual Educational establishments responsibly to ensure safe use and handling of these chemicals.

H COD	ES
Physica	l Hazard

Unstable explosive

Fire or projection hazard

Explosive; mass explosive hazard

Explosive; severe projection hazard

Explosive; fire, blast or projection hazard

H200

H201

H202

H203

H204

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
H227	Combustible liquid
H228	Flammable solid
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
11260	In contact with water releases flammable
H260	gases which may ignite spontaneously
	In contact with water releases flammable
H261	gas
H270	May cause or intensify fire; oxidizer
H271	May cause fire or explosion; strong oxidizer
H272	May intensify fire; oxidizer
H280	Contains gas under pressure; may explode if heated
11201	Contains refrigerated gas; may cause
H281	cryogenic burns or injury
H290	May be corrosive to metals
Health Ha	zard
H300	Fatal if swallowed
H301	Toxic if swallowed
H302	Harmful if swallowed
H303	May be harmful if swallowed
11204	May be fatal if swallowed and enters
H304	airways
	May be harmful if swallowed and enters
H305	
	airways
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H313	May be harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation

etals		8	1	H290	
H300	Fatal if inhaled				
H331	Toxic if inhaled				
H332	Harmful if inhaled				
H333	May be harmful if inhaled				
H334	May cause allergy or asthma symptoms or				
	breathing difficulties if inhaled				
H335	May cause respiratory irritation				
H336			iness or dizz		
H340					
H341	May cause genetic defects Suspected of causing genetic defects				
H350		ise cancer			
H351			sing cancer		
H360, H360Df				nborn child	
			aging fertili		
H361	unborn (child		•	
H361F			aging fertili	tv	
H362			to breast-fe		
H370	Causes	damage to	o organs		
H371	May cau	ise damad	ge to organs	5	
11272			o organs th		
H372			eated expos	9	
			ge to organs		
H373	,	-	, ,	9	
Facility and			eated expos	ure	
Environme			+i = lifa		
H400		ic to aqua			
H401		aquatic li			
H402		to aquati		long lacting	
H410		ic to aqua	auc me wim	long lasting	
11411	effects	1:	و در دا داداد در د	. l	
H411	Harmful	to aquatic II	ic life with l	lasting effects	
H412		io aquati	ic life with it	ong lasting	
	effects May cal	sa lona la	ecting harm	ful effects to	
H413	aquatic		asting nami	idi circets to	
Ell Comple				anda List	
EU Supple				ients List	
EUH001		e when d			
EUH006				ntact with air.	
EUH014		iolently w			
EUH018			flammable/e	explosive	
		air mixture			
EUH019	May for	m explosi	ve peroxides	5.	
EUH044	Risk of e	explosion	if heated ur	nder	
	confiner				
EUH029			er liberates		
EUH031			s liberates t		
EUH032	Contact with acids liberates very toxic gas				
EUH066	Repeated exposure may cause skin dryness				
or cracking					
EUH070	Toxic by eye contact.				
EUH071	Corrosive to the respiratory tract				
EUH059	Hazardous to the ozone layer				
Contains lead. Should not be used on					
EUH201 surfaces liable to be chewed or sucked by					
children				,	
EUH201A		! Contain	ns lead		
	Warning! Contains lead Cyanoacrylate. Danger. Bonds skin and eyes				
EUH202				each of children	
	111 300011	as. Necp	out of the fe	acii oi cilialcii	

EUH203	Contains chromium (VI). May produce an	P283	Wear fire/flame resistant/retardant clothing.	P390	Absorb spillage to prevent material damage.
EUMZU3	allergic reaction.	P284	Wear respiratory protection.	P391	Collect spillage.
EUH204	Contains isocyanates. May produce an allergic reaction.	P285	In case of inadequate ventilation wear respiratory protection.	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
EUH205	Contains epoxy constituents. May produce an allergic reaction.	P231+P232	Handle under inert gas. Protect from moisture.	P301+P312	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
EUH206	Warning! Do not use together with other products. May release dangerous gases	P235+P240 P301	Keep cool. Protect from sunlight IF SWALLOWED:	P301+P330	IF SWALLOWED: rinse mouth. Do NOT
	(chlorine) Warning! Contains cadmium. Dangerous	P302 P303	IF ON SKIN: IF ON SKIN (or hair):	+P331	induce vomiting. IF ON SKIN: Immerse in cool water/wrap in
EUH207	fumes are formed during use. See	P304	IF INHALED:	P302+P334	wet bandages.
	information supplied by the manufacturer. Comply with the safety instructions.	P305 P306	IF IN EYES: IF ON CLOTHING:	P302+P350	IF ON SKIN: Gently wash with plenty of soap and water.
EUH208	Contains (name of sensitising substance).	P307	IF exposed:	P302+P352	Wash with plenty of soap and water.
EUH209	May produce an allergic reaction. Can become highly flammable in use.	P308	If exposed or concerned:	P303+P361	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse
EUH209A	Can become flammable in use.	P309 Response	If exposed or you feel unwell	+P353	skin with water/shower.
EUH210	Safety data sheet available on request. To avoid risks to human health and the		Immediately call a POISON CENTER or	P304+P340	IF INHALED: Remove victim to fresh air and keep
EUH401	environment, comply with the instructions	P310	doctor/physician.		at rest in a position comfortable for breathing. IF INHALED: If breathing is difficult, remove
P CODE	for use.	P311	Call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you	P304+P341	victim to fresh air and keep at rest in a
General	.5	P312	feel unwell.		position comfortable for breathing. IF IN EYES: Rinse cautiously with water for
P101	If medical advice is needed, have product	P313	Get medical advice/attention.	P305+P351	several minutes. Remove contact lenses, if
B.16=	container or label at hand.	P314 P315	Get medical advice/attention if you feel unwell. Get immediate medical advice/attention.	+P338	present and easy to do. Continue rinsing.
P102 P103	Keep out of reach of children. Read label before use.	P320	Specific treatment is urgent (see on this	P306+P360	IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty
Prevention			label).	r300+r300	of water before removing clothes.
P201	Obtain special instructions before use. Do not handle until all safety precautions	P321 P322	Specific treatment (see on this label). Specific measures (see on this label).	P307+P311	IF exposed: Call a POISON CENTER or
P202	have been read and understood.	P330	Rinse mouth.	1307+1311	doctor/physician.
P210	Keep away from heat/sparks/open flames/	P331	Do NOT induce vomiting.	P308+P313	IF exposed or concerned: Get medical advice/attention.
	hot surfaces No smoking. Do not spray on an open flame or other	P332 P333	If skin irritation occurs: If skin irritation or rash occurs:	P309+P311	IF exposed or if you feel unwell: Call a
P211	ignition source.	P334	Immerse in cool water/wrap in wet bandages.		POISON CENTER or doctor/physician.
P220	Keep/Store away from clothing//	P335	Brush off loose particles from skin.	P332+P313	If skin irritation occurs: Get medical advice/ attention.
D221	combustible materials. Take any precaution to avoid mixing with	P336	Thaw frosted parts with lukewarm water. Do	P333+P313	If skin irritation or rash occurs: Get medical
P221	combustibles	P337	no rub affected area. If eye irritation persists:	. 555 5 . 5	advice/attention. Brush off loose particles from skin. Immerse
P222	Do not allow contact with air. Keep away from any possible contact with	P338	Remove contact lenses, if present and easy	P335+P334	in cool water/wrap in wet bandages.
P223	water, because of violent reaction and possible flash fire.		to do. Continue rinsing. Remove victim to fresh air and keep at rest	P337+P313	If eye irritation persists: Get medical advice/ attention.
P230	Keep wetted with	P340	in a position comfortable for breathing.	P342+P311	If experiencing respiratory symptoms: Call a
P231 P232	Handle under inert gas. Protect from moisture.		If breathing is difficult, remove victim to		POISON CENTER or doctor/physician. In case of fire: Stop leak if safe to do so.
P233	Keep container tightly closed.	P341	fresh air and keep at rest in a position comfortable for breathing.	P370+P378	In case of fire: Use for extinction.
P234 P235	Keep only in original container. Keep cool.	P342	If experiencing respiratory symptoms:		n case of fire: Evacuate area. In case of fire: Evacuate area. Fight fire
P240	Ground/bond container and receiving	P350	Gently wash with plenty of soap and water.	+P375	remotely due to the risk of explosion.
	equipment. Use explosion-proof electrical/ventilating/	P351	Rinse cautiously with water for several	P371+P380	In case of major fire and large quantities:
P241	lighting//equipment.	P352	minutes. Wash with plenty of soap and water.	+P375	Evacuate area. Fight fire remotely due to the
P242	Use only non-sparking tools.	P353	Rinse skin with water/shower.	Storage	risk of explosion.
P243	Take precautionary measures against static discharge.	D260	Rinse immediately contaminated clothing	P401	Store
P244	Keep reduction valves free from grease and oil.	P360	and skin with plenty of water before removing clothes.	P402 P403	Store in a dry place. Store in a well-ventilated place.
P250	Do not subject to grinding/shock//friction. Pressurized container: Do not pierce or burn,	P361	Remove/Take off immediately all	P404	Store in a closed container.
P251	even after use.	1 30 1	contaminated clothing.	P405	Store locked up. Store in corrosive resistant/ container with
P260	Do not breathe dust/fume/gas/mist/vapours/ spray.	P362	Take off contaminated clothing and wash before reuse.	P406	a resistant inner liner.
P261	Avoid breathing dust/fume/gas/mist/	P363	Wash contaminated clothing before reuse.	P407 P410	Maintain air gap between stacks/pallets. Protect from sunlight.
P262	vapours/spray. Do not get in eyes, on skin, or on clothing.	P370	In case of fire:	P411	Store at temperatures not exceeding °C/°F.
P262 P263	Avoid contact during pregnancy/while nursing.	P371 P372	In case of major fire and large quantities: Explosion risk in case of fire.	P412	Do not expose to temperatures exceeding 50°C/122°F.
P264	Wash thoroughly after handling.		DO NOT fight fire when fire reaches		Store bulk masses greater than kg/ lbs
P270	Do not eat, drink or smoke when using this product.	P373	explosives.	P413	at temperatures not exceeding °C/°F.
P271	Use only outdoors or in a well-ventilated area.	P374	Fight fire with normal precautions from a reasonable distance.	P420 P422	Store away from other materials. Store contents under
P272	Contaminated work clothing should not be	D275	Fight fire remotely due to the risk of	P402+P404	Store in a dry place. Store in a closed container.
P273	allowed out of the workplace. Avoid release to the environment.	P375	explosion.	P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P280	Wear protective gloves/protective clothing/ eye protection/face protection.	P376	Stop leak if safe to do so.	P403+P235	Store in a well-ventilated place. Keep cool.
P281	Use personal protective equipment as	P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.	P410+P403	Protect from sunlight. Store in a well-ventilated place.
	required.	P378	Use for extinction.	D410 : D442	Protect from sunlight. Do no expose to
P282	Wear cold insulating gloves/face shield/eye	P380	Evacuate area.	P410+P412	temperatures exceeding 50°C
	protection.	P381	Eliminate all ignition sources if safe to do so.	P411+P235	Store at temperatures not exceedingKeep cool.
				P501	Dispose of contents/container to