








Umגעngni við efnin

- Við erum búin að fjalla um ýmis efni í áfanganum, bæði skaðlaus og skaðleg.
- Á bílaverkstæði er mikilvægt að vita hvernig á að umgangast efnin til þess að skaða ekki sjálfan sig, aðra eða jafnvel umhverfið.
- Í bláu bókinni er farið vel yfir mörg hættumerki sem þarf að þekkja. (bls 50-52)
- Það er jafn mikilvægt að vita hvað á að gera ef illa fer eins og hvað á ekki að gera.
- Eitrunarmiðstöðin á Íslandi hefur símanúmerið 543 2222 og þar er hægt að fá upplýsingar um hvað á að gera í neyðartilfellum, annars er líka hægt að hringja í 112.
- Ef verið er að vinna með hættuleg efni þarf sérstaklega að passa það að nota hlífðarbúnað og hafa góða loftræstingu í rýminu sem unnið er í.

1.		1.1	1.2	1.3	1.4	1.5	1.6
Mechanical hazards		Exposed moving machine parts	Parts with dangerous surfaces	Moving means of conveyance, moving work equipment	Uncontrolled moving parts	Falls (level ground), slips, tripping, twisting an ankle, taking a misstep	Falls
2.		2.1	2.2				
Electrical hazards		Hazardous electric shock currents	Electric arcs				
3.		3.1	3.2	3.3	3.4	3.5	3.6
Toxic substances		Gases	Vapours	Aerosols	Liquids	Solids	Runaway reactions
5.		5.1	5.2	5.3	5.4		
Fire and explosion hazards		Risk of fire due to solids, liquids and gases	Explosive atmospheres	Explosive material	Electrostatic charges		
7.		7.1	7.2	7.3	7.4	7.7	
Hazards arising from specific physical agents		Noise	Ultrasound, subsonic noise	Whole-body vibration	Hand-arm vibration	Electromagnetic fields	
8.		8.1	8.2	8.3			
Hazards arising from workplace conditions		Climate/air conditioning	Lighting	Required space/transport routes			
9.		9.1	9.2	9.3	9.4		
Physical load/work intensity		Heavy dynamic work	Unilaterally dynamic work	Static or dynamic work postures	Combination of static/dynamic tasks		



Wear protective  
goggles



Wear  
hard hat



Wear  
ear protection



Wear breathing  
equipment



Wear protective  
shoes/boots



Wear protective  
gloves



Not pedestrians



No extinguishing  
with water



No eating  
or drinking



Not drinking  
water



No fire, open flames  
or smoking



Authorised  
personnel only



Toxic  
substances



Explosive  
substances



Flammable  
substances



Dangerous  
voltage



Caustic  
substances



Substances  
harmful to health  
or irritants



Gases under  
pressure



Health  
hazard



Harmful to  
the environment













Toxic



Explosive



Flammable

Substances	Hazards (selection)	Symbol	Safety recommendations (selection)
Brake pads, clutch linings, grinding dust	Health hazard when dust particles are inhaled.	 Irritant	Use vacuum extraction to remove dust, then bind it with a suitable substance and store it in securely sealed containers.
Solvents, cleaning agents for parts	Materials pose a potential health hazard when inhaled or swallowed.	 Mildly toxic  Easily flammable	Avoid direct contact with the skin. Use protective skin cream. Keep away from sparks and flame, do not smoke.
Fuels for spark-ignition engines	Explosive, highly flammable. Toxic when inhaled, ingested or in case of contact with the skin. Carcinogenic.	 Highly flammable  Toxic	Keep away from sparks and flame, do not smoke. Do not inhale fumes. Avoid contact with skin and eyes. Use protective skin cream. Never use as a cleanser.
Battery electrolyte	Caustic hazard to skin and eyes (danger of blindness). Irritates and damages mucous membranes in respiratory passages when inhaled.	 Caustic	Avoid direct skin contact. Keep shipping containers closed. Store in original containers only. Wear gloves, as well as eye and face protection where required. Ensure that the work area is well ventilated.
Engine oils of known and unknown origin, diesel fuel, gear oil.	Avoid repeated skin contact extending over long periods. Engine oil of unknown origin is assigned to Hazardous Material Class A1.	 Irritant  Easily flammable	Use protective skin cream. In case of contact with skin or clothing, wash thoroughly using plenty of water. Keep well away from sparks and flame.
Box-section wax, undercoating, shipping wax, paint, paint residue, adhesives	Flammable. When inhaled, irritation and rashes affecting skin, mucous membranes, eyes and respiratory passages are possible; may also produce a numbing effect.	 Easily flammable  Mildly toxic	Keep well away from sparks and flame. Ensure that the work area is well ventilated. Stored in tightly sealed containers in a well-ventilated area. Use protective skin cream. Wear protective gloves, with safety glasses or protective goggles as indicated.



# Sýrur

- Mjög slæmar fyrir húðina, erta hana og í versta falli éta hana upp.
- Éta upp venjulegan fatnað ef þær eru nógu sterkar.
- Rafgeymasýra er dæmi um mjög sterka sýru sem þarf að passa sig í kringum.
  - Hinsvegar er notkun á rafgeymum sem hægt er að bæta á eða mæla rafgeymasýruna að minnka mjög og mikið komið út í gelrafgeyma í staðin.
- sumar sýrur þarf að gera hlutlausar áður en það má farga þeim.

Nokkrar  Reglur til að fara eftir

- Ekki drekka vökva sem þú veist ekki hvað er!
- Ekki snerta vökva sem þú veist ekki hvað er án hanska!
- Og ef allt annað þrýtur, þá er alltaf:

