

## Am I at risk from chemicals?

Chemicals such as fertilizers, detergents, oils, disinfectants and plant protection products can play an important role in everyday life on the farm. However, if these chemicals are not used safely, then you could be at risk. The potential of chemicals on your farm to cause harm depends on a number of factors including how dangerous the chemicals may be and how long and how often you are exposed to them. It is also important to remember that chemicals naturally occurring on the farm, such as slurry gases, can also be dangerous.

Chemical exposure can result in health effects such as cancer, birth defects, burns, skin rashes, and lung, liver or kidney disease.

When using chemicals on the farm, it is important to know how dangerous they are. It is also important to ensure that you have the necessary controls in place to keep you, your family and the environment safe.



## Do's and Don'ts when using chemicals

- Do** study the label and the safety data sheet (SDS)
- Do** read and follow the instructions before use
- Do** use any protective clothing recommended
- Do** keep chemicals locked away and out of reach of children
- Do** dispose of empty containers safely
- Don't** transfer chemicals into unmarked containers
- Don't** use flammable chemicals near sources of ignition
- Don't** mix chemicals, unless you are sure they don't react
- Don't** enter area where slurry is being agitated

## Where can I get more information?

- Your local supplier or manufacturer
- The Health and Safety Authority
  - [www.hsa.ie/chemicals](http://www.hsa.ie/chemicals)
  - [chemicals@hsa.ie](mailto:chemicals@hsa.ie)
  - 0818 289 389
- Pesticide Registration and Control Division of DAFM relating to Biocidal and Plant Protection Products  
[www.pcs.agriculture.gov.ie](http://www.pcs.agriculture.gov.ie)
- National Poisons Information Centre  
[www.poisons.ie](http://www.poisons.ie) in cases of emergency



Use  
**Chemicals**  
 **Safely**  
on the Farm

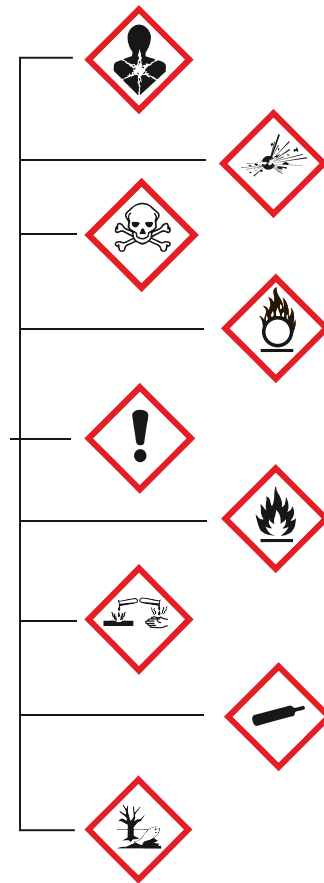
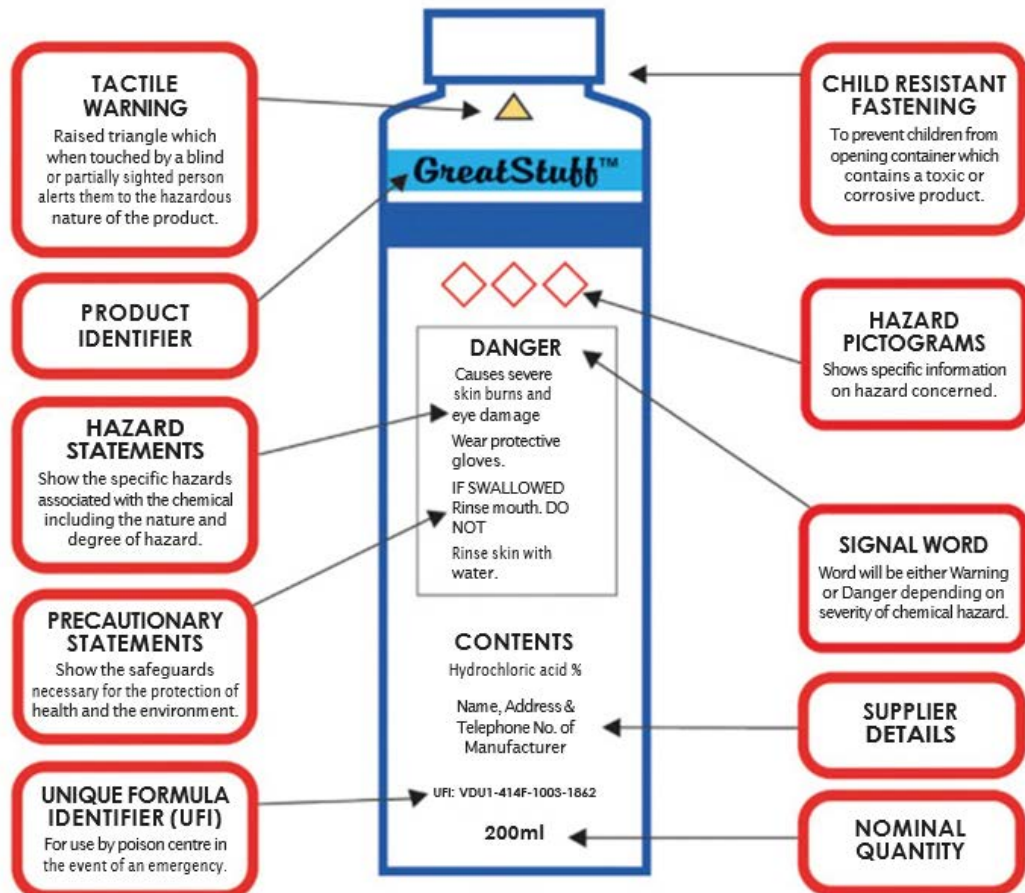
**HSA**

An tÚdarás Sláinte agus Sábháilteachta  
Health and Safety Authority



# How do I know if a chemical is dangerous?

The label on the chemical container indicates the dangerous properties of the chemical. Below is an example of a hazard label. Additional information can be found in the safety data sheet (SDS) which is supplied with the chemical (if you don't receive one, ask your supplier). The SDS provides important information about the hazards of the chemical and how to use, handle, store and dispose of it safely.



Pictograms accompanied by the appropriate hazard statement

## What do the hazard pictograms mean?

	Life threatening even in small amounts and brief exposure	Handle with care
	Causes very serious long-term health effects	Never swallow or inhale
	Causes skin and eye burns	Avoid contact with skin
	Destruction of metals	Handle with care
	Skin and eye irritation	Don't swallow, touch or inhale
	Adverse health effects	Avoid release
	Damage to ozone layer	
	Explosive - sensitive to fire, heat, vibration and friction	Keep your distance
	Highly flammable - serious fires if exposed to sparks, flames, heat	Handle with care No ignition sources
	Causes or intensifies fire, increases fire risk	Wear protective clothing
	Container explodes if heated. Very cold liquid burns when touched.	Do not heat!
	Very toxic to aquatic life	Do not pour down drain