



CORROSION




This is the symbol that will appear on chemicals that have corrosive properties. Depending on the properties of the chemical(s) in the pesticide product, the corrosion pictogram can mean:

- May be corrosive to metals
- Causes severe skin burns and eye damage
- Causes serious eye damage

This chart summarizes the hazard criteria for the category(s) in each class for the corrosion pictogram to appear on a pesticide product label. It also lists the corresponding hazard statement and signal word that will accompany the pictogram. This information is for illustrative purposes only; please consult the [official GHS text](#) for complete information.

Hazard Class/Category	Criteria	Hazard Communication Elements	
Corrosive to metals Category 1	Corrosion rate on steel or aluminum surfaces exceeding 6.25 mm per year at a test temperature of 55 °C.	Symbol	
		Signal Word	Warning
		Hazard Statement	May be corrosive to metals
Skin corrosion/irritation Category 1	1. <i>For substances and tested mixtures:</i> <ul style="list-style-type: none"> • Human experience showing irreversible damage to the skin; • Structure/activity or structure property relationship to a substance or mixture already classified as corrosive; • pH extremes of ≤ 2 and ≥ 11.5 including acid/alkali reserve capacity; • Positive results in a valid and accepted <i>in vitro</i> skin corrosion test; or • Animal experience or test data that indicate that the substance/mixture causes irreversible damage to the skin following exposure of up to 4 hours (See Table 3.2.1). 2. <i>If data for a mixture are not available, use bridging principles in 3.2.3.2.</i> 3. <i>If bridging principles do not apply,</i> <ol style="list-style-type: none"> (a) For mixtures where substances can be added: Classify as corrosive if the sum of the concentrations of corrosive substances in the mixture is $\geq 5\%$ (for substances with additivity); or (b) For mixtures where substances cannot be added: $\geq 1\%$. See 3.2.3.3.4. 	Symbol	
		Signal Word	Danger
		Hazard Statement	Causes severe skin burns and eye damage

<p>Serious eye damage/irritation</p> <p>Category 1</p>	<p>1. <i>For substances and tested mixtures</i></p> <ul style="list-style-type: none"> • Classification as corrosive to skin; • Human experience or data showing damage to the eye which is not fully reversible within 21 days; • Structure/activity or structure property relationship to a substance or mixture already classified as corrosive; • pH extremes of < 2 and > 11.5 including buffering capacity; • Positive results in a valid and accepted <i>in vitro</i> test to assess serious damage to eyes; or • Animal experience or test data that the substance or mixture produces either (1) in at least one animal, effects on the cornea, iris or conjunctiva that are not expected to reverse or have not reversed; or (2) in at least 2 of 3 tested animals a positive response of corneal opacity ≥ 3 and/or iritis > 1.5 (see Table 3.3.1). <p>2. <i>If data for a mixture are not available, use bridging principles in 3.3.3.2.</i></p> <p>3. <i>If bridging principles do not apply,</i></p> <p>(a) For mixtures where substances can be added: Classify as Category 1 if the sum of the concentrations of substances classified as corrosive to the skin and/or eye Category 1 substances in the mixture is $\geq 3\%$; or</p> <p>(b) For mixtures where substances cannot be added: ≥ 1 (see 3.3.3.3.4).</p>	Symbol	
		Signal Word	Warning
		Hazard Statement	Causes serious eye damage