

# Chemical Footprint Project

## Criteria for Determining Chemicals of High Concern



The Chemical Footprint Project (CFP) defines a chemical of high concern (CoHC) in alignment with adverse health effects specified in REACH and determined by GHS Categories. Substances that meet the following GHS categories are CoHCs in the CFP:

- Carcinogenicity (C): GHS Category 1a (Known) or 1B (Presumed) for any route of exposure
- Mutagenicity/Genotoxicity (M): GHS Category 1a (Known) or 1B (Presumed) for any route of exposure
- Reproductive Toxicity (R): GHS Category 1a (Known) or 1B (Presumed) for any route of exposure
- Systemic Toxicity/Organ Effects: GHS Category 1 Single Exposure for any route of exposure or GHS Category 2 Single Exposure for any route of exposure

Note: The GHS does not have criteria for persistence and bioaccumulation.

Health Endpoints	GHS Information source	GHS Category
<b>Acute Aquatic Toxicity (AA)</b>	GHS Criteria & Guidance	GHS Category 1, $\leq 1$ ; GHS Category 2, $>1$ to 10
<b>Carcinogenicity (C)</b>	GHS Criteria & Guidance	GHS Category 1a (Known) or 1B (Presumed) for any route of exposure
<b>Chronic Aquatic Toxicity (CA)</b>	GHS Criteria & Guidance, Guidance Value (mg/L)	$\leq 1$ ; $>0.1$ to 1.0
<b>Developmental Toxicity (D)</b>	GHS Criteria & Guidance (note: GHS Reproductive toxicity includes both reproductive and developmental effects, while the GreenScreen separates them into two distinct hazard endpoints. this classification must be based on reproductive effects alone.)	GHS Category 1a (Known) or 1B (Presumed) for any route of exposure
<b>Mutagenicity/Genotoxicity (M)</b>	GHS Criteria & Guidance	GHS Category 1a (Known) or 1B (Presumed) for any route of exposure
<b>Neurotoxicity (N)</b>	GHS Criteria Systematic toxicity/Organ Effects using US EPA Risk assessment Guidance to define applicable neurotoxic effects.	GHS Category 1 Single Exposure for any route of exposure; GHS Category 2 Single Exposure for any route of exposure
<b>Reproductive Toxicity (R)</b>	GHS Criteria & Guidance (note: GHS Reproductive toxicity includes both reproductive and developmental effects, while the GreenScreen separates them into two distinct hazard endpoints. this classification must be based on reproductive effects alone.)	GHS Category 1a (Known) or 1B (Presumed) for any route of exposure
<b>Systemic Toxicity/ Organ Effects (ST)</b>	GHS Criteria & Guidance	GHS Category 1 Single Exposure for any route of exposure; GHS Category 2 Single Exposure for any route of exposure