
















Hazard Class	Hazard Category*						
Skin Corrosion / Irritation	<i>Skin corrosion</i> is the production of irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis, following the application of a test substance for up to 4 hours.						
	<i>Skin irritation</i> is the production of reversible damage to the skin following the application of a test substance for up to 4 hours.						
	1A (Exposure ≤ 3 min)		1B (Exposure > 3 min ≤ 1 h)		1C (> 1 h ≤ 4 h)		
	2						
	Danger			Warning			
	Corrosive: Causes Severe Burns and Eye Damage			Causes Skin Irritation			
							
Serious Eye Damage / Eye Irritation	<i>Serious eye damage</i> is the production of tissue damage in the eye, or serious physical decay of vision, following application of a test substance to the anterior surface of the eye, which is not fully reversible within 21 days of application.						
	<i>Eye irritation</i> is the production of changes in the eye following the application of test substance to the anterior surface of the eye, which are fully reversible within 21 days of application.						
	1 (Irreversible Effects)			2A (Reversible: 21 Days)		2B (Reversible: 7 Days)	
	Danger			Warning		Warning	
	Causes Serious Eye Damage			Causes Serious Eye Irritation		Causes Eye Irritation	
							



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Acute Toxicity (Oral, Dermal, Inhalation - Gases, Inhalation - Vapors, Inhalation - Dusts and Mists)	Adverse effects occur following oral or dermal administration of a single dose of a substance, or multiple doses given within 24 hours, or an inhalation exposure of 4 hours.			
	1	2	3	4
	Danger	Danger	Danger	Warning
	Fatal if ...	Fatal if ...	Toxic if ...	Harmful if ...
				
Respiratory or Skin Sensitization	<i>Respiratory sensitizer</i> means a chemical that will lead to hypersensitivity of the airways following inhalation of the chemical.			
	<i>Skin sensitizer</i> means a chemical that will lead to an allergic response following skin contact.			
	1A (High Occurrence Rate in Humans)	1B (Low-Mod Occurrence Rate in Humans)		
	Danger			
	May Cause Allergic Reaction; Asthma; Breathing Difficulties			
 				
Germ Cell Mutagenicity	1A (Verified Mutagen)	1B (Presumed Mutagen)	2 (Suspected Mutagen)	
	Danger		Warning	
	May Cause Genetic Defects		Suspected of Causing Genetic Defects	
				



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Carcinogenicity	A substance or a mixture of substances which induce cancer or increase its incidence.					
	1A (Verified Carcinogen)	1B (Presumed Carcinogen)		2 (Suspected Carcinogen)		
	Danger			Warning		
	May Cause Cancer			Suspected of Causing Cancer		
Reproductive Toxicity	<i>Reproductive toxicity</i> includes adverse effects on sexual function and fertility in adult males and females, as well as adverse effects on development of the offspring.					
	1A (Verified Toxicant)	1B (Presumed Toxicant)		2 (Suspected Toxicant)	Lactation (effects on/via)	
	Danger			Warning		
	May Damage Fertility of the Unborn Child			Suspected of Damaging Fertility of the ...		May Cause Harm to Breast-Fed Children



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Specific Target Organ Toxicity – Single Exposure	1 (Known Toxicant)	2 (Presumed Toxicant)	3 (Transient Toxicant)	
	Danger	Warning		
	Causes Damage to Organs	May Cause Damage to Organs	May Adversely Alter Organ Function for a Short Duration of Time	
Specific Target Organ Toxicity – Repeated Exposure	1 (Known Toxicant)	2 (Presumed Toxicant)		
	Danger	Warning		
	Causes Damage to Organs Through Repeated or Prolonged Exposure	Causes Damage to Organs Through Repeated or Prolonged Exposure		
Aspiration	The entry of a liquid or solid chemical directly through the oral or nasal cavity, or indirectly from vomiting, into the trachea and lower respiratory system.			
	1 (Known Toxicant)			
	Danger			
	May be fatal if swallowed and enters airway			

* Complete definitions and criteria for each Health Hazard Category can be found in Appendix A of the OSHA Hazcom 2012:

<https://www.osha.gov/dsg/hazcom/hazcom-appendix-a.html>