

Safety Services Online	Risk Assessment	Chemicals	Page 1 of 5
Workplace Sector	All Areas	Date of Risk assessment	12-12- 2025
Hazard	Working with Chemicals	Annual Review	12-12- 2026

If chemicals are not used or stored safely, they create chemical hazards that can be dangerous to our customers and employees. We will consider the following risk factors and hazards, and identify all persons who may be at risk:
Dangerous chemical agents can cause different types of harm, including burns, respiratory problems, and dermatitis. Some may cause cancer, affect the ability to reproduce or cause birth defects. The harm done depending on the substance can occur from a single short exposure or long- term accumulation in the body.

What are the hazards?	Who might be harmed and how?	What are you already doing to control the risks?	What further action do you need to take to control the risks?	Who needs to carry out the action?	When is the action needed by?	Action Completed
Working with chemicals/cleaning: <i>Prolonged contact with water, particularly in combination with detergents, can cause skin damage</i>	Staff: Ingestion - <i>Illness, poisoning</i> Inhalation - <i>respiratory problems</i> Skin Contact - <i>Burns, Dermatitis, poisoning</i> Splashes in the eye - <i>eye injury</i>	<ul style="list-style-type: none"> • Approved chemical products only are in use • Chemical handling training is provided to all employees by chemical supply company • A safe system of work, i.e. safety instructions outlining correct procedures to follow when handling chemicals, is in place • PPE is provided for use with chemicals 				
Incorrect Storage of Chemicals Contamination - <i>Chemicals can easily get into food or spill onto food-contact surfaces if they are stored incorrectly</i>	Staff & Customers: Ingestion - <i>Illness, poisoning</i> Skin Contact - <i>Burns, Dermatitis, poisoning</i>	<ul style="list-style-type: none"> • Chemical dispensers and spray bottles are labelled to indicate their contents • Limit the quantities of chemicals in storage • Adequate procedures in place in case of spillage. • Concentrated chemicals stored in original containers. Appropriately labelled • Chemicals should be stored securely in proper, signed, ventilated stores 				

Safety Services Online	Risk Assessment	Chemicals	Page 2 of 5
Workplace Sector	All Areas	Date of Risk assessment	12-12- 2025
Hazard	Working with Chemicals	Annual Review	12-12- 2026

What are the hazards?	Who might be harmed and how?	What are you already doing to control the risks?	What further action do you need to take to control the risks?	Who needs to carry out the action?	When is the action needed by?	Action Completed
<p>Mixing Chemicals Chemicals can become more dangerous and unexpected results can happen if chemicals are mixed. Irritated airways, respiratory problems, or burns to skin, eyes, throat, nose, and lungs. Some gases created from combined cleaning products could cause damage of the nervous system, eyes, lungs, skin, liver, kidneys, and even death.</p>	<p>Staff: Ingestion - <i>Illness, poisoning</i> Inhalation - <i>respiratory problems</i> Skin Contact - <i>Burns, Dermatitis, poisoning</i> Splashes in the eye - <i>eye injury</i></p>	<ul style="list-style-type: none"> • Follow the manufacturer’s instructions and use chemicals correctly. • When bleach and ammonia are mixed together, they produce a lethal chlorine gas. The hydrochloric acid then reacts with the ammonia to produce chloramine vapours. <ul style="list-style-type: none"> ○ Do not mix bleach and ammonia. ○ Do not mix bleach and acids. <p>Do not use two drain cleaners together, or one right after the other</p>				

Safety Services Online	Risk Assessment	Chemicals	Page 3 of 5
Workplace Sector	All Areas	Date of Risk assessment	12-12- 2025
Hazard	Working with Chemicals	Annual Review	12-12- 2026

What are the hazards?	Who might be harmed and how?	What are you already doing to control the risks?	What further action do you need to take to control the risks?	Who needs to carry out the action?	When is the action needed by?	Action Completed
Cleaning electrical equipment	Staff – electric shock, minor burns	<ul style="list-style-type: none"> • Ensure the appliance is isolated from the power source and has completely cooled down prior to cleaning • Instruction in safe cleaning procedures 				
Manual Handling: Storing and accessing chemicals	Staff – risk of <i>Sprains & Strains, MSD's, Back injury</i>	<ul style="list-style-type: none"> • Instruction in safe manual Handling techniques • Correct storage height • Reducing size of loads • Use trolleys where appropriate. • Avoid lifting and pouring from heavy or awkward bulk containers. • Minimise handling by using syphons, pumps etc. 				

Safety Services Online	Risk Assessment	Chemicals	Page 4 of 5
Workplace Sector	All Areas	Date of RA	14 FEB 2024
Hazard	Working with Chemicals	Annual Review	14 FEB 2025

Kitchen Chemicals: Safe Operating Procedures/ Further Control Measures	
Information/Instruction/Training	Managerial Controls
<ul style="list-style-type: none"> • Fire Safety Awareness Training • Manual Handling Training • Chemical handling training • Instruction in correct cleaning procedure • Instruction in safe operating procedures • Chemical product information sheets and safety data sheets are provided • When diluting, always add the concentrated liquid to water, not the water to the concentrate. 	<ul style="list-style-type: none"> • Where possible, cleaning products marked ‘irritant’ not purchased and milder alternatives bought instead. • Skin reconditioning cream is provided for use at hand wash sinks • Chemicals are stored in a designated storage area • Chemicals are purchased from approved supplier only • Chemical dispensers and spray bottles are labelled to indicate their contents
Procedural Controls	Personal Safety
<ul style="list-style-type: none"> • Only trained and authorised persons are permitted to use chemicals • Correct Chemicals are used for cleaning • Long-handled mops and brushes, and strong rubber gloves, provided and used. • Staff to thoroughly dry hands after washing. • Do not use two drain cleaners together, or one right after the other. <p><i>Always read product labels before using or mixing any chemicals. If in doubt, leave it to the manufacturers to do the mixing!</i></p>	<ul style="list-style-type: none"> • PPE is supplied and worn • Spillages are managed immediately • Staff to check for dry, red or itchy skin on their hands and to tell manager if this occurs. • Do not mix bleach and ammonia.* • Do not mix bleach and acids.# • Bleach also reacts with some oven cleaners, hydrogen peroxide, and some insecticides.

Safety Services Online	Risk Assessment	Chemicals	Page 5 of 5
Workplace Sector	All Areas	Date of RA	14 FEB 2024
Hazard	Working with Chemicals	Annual Review	14 FEB 2025

Dangers of Mixing Bleach and Acids #	Dangers of Mixing Bleach and Ammonia *
<p>When chlorine bleach is mixed with an acid, chlorine gas is given off. Chlorine gas and water combine to make hydrochloric and hypochlorous acids.</p> <p>Chlorine gas exposure, even at low levels, almost always irritates the mucous membranes (eyes, throat, and nose), and can cause coughing and breathing problems, burning and watery eyes, and a runny nose. Higher levels of exposure can cause chest pain, more severe breathing difficulties, vomiting, pneumonia, and fluid in the lungs. Very high levels can cause death.</p> <p>Chlorine can be absorbed through the skin, resulting in pain, inflammation, swelling, and blistering. Hydrochloric acid also causes burns to the skin, eyes, nose, throat, mouth, and lungs.</p>	<p>When bleach is mixed with ammonia, toxic gases called chloramines are produced. Exposure to chloramine gases can cause:</p> <ul style="list-style-type: none"> • coughing • shortness of breath • chest pain • wheezing • nausea • watery eyes • irritation to the throat, nose, and eyes • pneumonia and fluid in the lungs
<p>Chemicals may exist in the form of:</p> <ul style="list-style-type: none"> • Dusts, fumes, fibres (solids), e.g. flour dust, bitumen fumes and asbestos fibre • Liquids, mists, e.g. liquid bleach and mineral oil mist 	
<p>All hazards and risks detailed above have been considered and adequate control measures are in place as indicated. Controls not in place are scheduled to be carried out and included in the current Action List in found in Appendix B of the Safety Statement 2025.</p>	