Takeaway food retailing industry

Hazardous substances risk assessment

Only required for chemicals that are designated as Hazardous Substances

The chemical's label and Material Safety Data Sheet (MSDS) will be needed to complete the risk assessment.
References: Workplace Health and Safety Regulation Part 13; the Hazardous Substances Code of Practice 2003

1. Name of substance: **XYZ brand oven cleaner (Sodium hydroxide)** _____
(or names of the substances if using a mixture)

2. How is the substance used? - i.e. describe the process? *(If the chemical is used for a number of different processes a risk assessment may be needed for each task. Also consider decanting, storage and disposal)*	Spraying into cold oven, Depth of oven requires the person to put upper body into oven to wipe out.	
3. How are people exposed to the substance? *(Tick or mark applicable routes or entry)*	Skin (splashed onto or absorbed through):	√
	Eyes (splashed onto or absorbed through):	√
	Inhalation (breathed in):	√
	Ingestion (swallowed):	
4. How much of the substance are workers exposed to during the task? *(e.g.: in litres / millilitres)*	One x 300ml can of spray foam	
5. For how long are workers exposed to the substance? *(How often is the chemical used. e.g. in hours per day and days per week)*	Spraying – 10 mins. Wiping out 40 mins. Task performed once per week.	
6. Briefly, what are the health effects of exposure to this substance? *(Refer to the MSDS)*	Skin:	burns, pain, brown stains on skin
	Eyes:	severe eye damage, burns
	Inhalation:	coughs, choking, lung damage
	Ingestion:	
7. What engineering control measures (e.g. extraction ventilation; dilution ventilation) are recommended by the MSDS and/or label?	Local exhaust, approved respirators.	
8. Currently, what engineering controls are used to control exposure to the substance?	None	
9. If engineering controls are used, are they maintained and checked for effectiveness? *(give details)*	Not applicable	

10. What Personal Protective Equipment (PPE) is recommended by the MSDS and/or label?	Skin:	elbow length PVC gloves, safety footwear, PVC apron
	Eyes:	Goggles, face shield
	Inhalation:	
11. Currently, what PPE is used? *(Give Details)*	Skin:	none
	Eyes:	none
	Inhalation:	none
12. Are any other control measures (e.g. procedures, rotation of people, using substance after hours to minimise how many people are exposed) recommended by the MSDS and/or label?	Do not wear contact lenses, have eye wash unit available.	
13. Are any other control measures currently used at the workplace?	No	
14. What is the level of risk from use of this hazardous substance (select one)? 1. **Risks not significant and not likely to increase in the future** 2. **Risks are significant but effectively controlled (but could increase in the future)** 3. **Risks are significant and not effectively controlled** 4. **Uncertain about the risks** *(Conduct air monitoring and/or health surveillance [see below] or obtain further information and advice)*	**Level of risk: 3** **Explanation of why this risk level is chosen:** Significant because there are no controls to prevent or minimise injury.	
15. Does air monitoring need to be done? You can have air monitoring done to: • find out how much your employees are being exposed to • find out if the controls being used are adequate to ensure employee's health and safety is protected	Not applicable	
16. What control measures will be implemented? (The best type of control is by elimination; however other types of controls can be used). **Hierarchy of control measures** □ Elimination (**MOST EFFECTIVE)** □ Substitution (with a less hazardous substance) □ Engineer out the hazard by isolation □ Engineer out the hazard by ventilation □ Administrative controls (rotation, procedures etc) □ PPE (especially respiratory protection) (**LEAST EFFECTIVE)**	**Give details (if any):** In addition to gloves and goggles, an appropriate respirator will be given to each worker who cleans the oven. Training in the use of respirators and the chemical will be given. Each worker will only be rostered to clean the oven twice a month. Will provide a fan and open windows while doing job.	

17. Is health surveillance required?	Not applicable
Health surveillance is required if: • someone has an adverse effect from a hazardous substance at work and there is a way to detect signs of the health effect; or: • the level of risk (from question 14) is significant and the substance contains (or is) one or more of the following: • 4,4' Methylenebis (2-chloroaniline) (MOCA) • Acrylonitrile • Asbestos • Benzene • Cadmium • Creosote • Crystalline silica • Inorganic arsenic • Inorganic chromium • Isocyanates • Organophosphate pesticides • Pentachlorophenol (PCP) • Polycyclic aromatic hydrocarbons (PAH) • Thallium • Vinyl chloride (Refer to section 109 of the Queensland Workplace Health and Safety Regulation 1997)	

18. Date: _____ **19. Review date:** _____

20. Person/s conducting risk assessment: _____