STANDARD OPERATING PROCEDURE

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| **BASIC CHEMICAL HANDLING ON A DAIRY FARM TEMPLATE** |
| Chemicals typically used and found on dairy farms include those used for, cleaning in the dairy, treating animals, controlling pests in and around the dairy, controlling pests in pastures and crops, fertilisers, feed additives, fuels and oils, various gases and asbestos. |
| **JOB STEPS** | **MEDIA** | **SAFETY / QUALITY / ENVIRONMENT** |
| **PRIOR TO CHEMICAL HANDLING:****SKILLS, TRAINING AND INDUCTION.****All personnel who use chemicals must be trained to do so.****All new personnel to a site who are required to use chemical must be inducted. The induction is to explain the risks associated with each chemical, and discuss methods of safely handling the chemicals.****The induction must show:*** **where suitable PPE can be found**
* **first aid including emergency showers.**
* **the location of Safety Data Sheets**
 |  | **Safety - It is recommended that all personnel who are required to handle chemicals complete a Chemical Users Course.** |
| **CHEMICAL STORAGE ON A DAIRY FARM:****There are multiple, distinct storage areas on most dairy farms including:**1. **The Dairy - Usually cleaning chemicals, both in use and those ready for use,**
2. **Chemicals requiring refrigeration - also usually in the dairy**
3. **Pesticides for animal treatment, pastures and crops**
4. **Fertilisers and soil conditioners**
5. **Fuels and lubricants Note:**
* **Maintain the chemical register**
* **Keep chemical application records**
 |  | **Safety - a. Chemicals must be stored in a secure location to avoid unauthorised use, particularly by children**1. **Each chemical used must have a Safety Data Sheet (SDS) which will describe the chemical, the Personal Protective Equipment (PPE) required to be worn when using the chemical, the First Aid to be followed if anyone comes into contact with the chemical and emergency procedures to be followed if a spill occurs**
2. **Chemicals must be stored in labelled containers - DO NOT put them in unlabeled containers such as jars and bottles and never in food containers**
3. **Many types of chemicals should be stored apart or a suitable barrier placed between them.**

**Environment - Chemicals should be stored in a bunded area (spill tray) to prevent spills entering into drains or the environment. Any spills should be cleaned up straight away.** |

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| **BASIC CHEMICAL HANDLING ON A DAIRY FARM - V4** |
| Chemicals typically used and found on dairy farms include those used for, cleaning in the dairy, treating animals, controlling pests in and around the dairy, controlling pests in pastures and crops, fertilisers, feed additives, fuels and oils, various gases and asbestos. |
| **JOB STEPS** | **MEDIA** | **SAFETY / QUALITY / ENVIRONMENT** |
| **CHEMICAL USE IN THE DAIRY:**1. **Chemicals are used for cleaning in the Dairy.**
2. **They are usually automatically dosed from 200 litre drums into a Clean In Place (CIP) system which works through a program to clean the dairy plant**

**PPE, described in the Safety Data Sheet (SDS) must be worn correctly throughout the cleaning process as the system could suddenly develop a leak and spray chemical over the operator.** |  | **Safety - a. Do not eat, drink or smoke while handling chemicals**1. **PPE as described in the SDS must be worn when undertaking cleaning**
2. **If a person comes into contact with the chemical, immediately use the Safety Shower and/or the Eye Wash tap or bottle to completely wash it off.**
3. **Follow the First Aid instructions as set out in the SDS**
4. **Always wash your hands after using chemicals and before smoking, eating, etc**
5. **Ensure all PPE is checked for damage prior to use and fully cleaned and properly stored after use. Replace as required.**
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