



COSHH Risk Assessment No:

KILCOSAN

Farm.....

Work Area: Parlour

Describe the activity or work process.

(Include how long and how often this is carried out and the quantity of substance used)

Description of how used on farm:- Closed systems cleaning and disinfectant , manual cleaning of bulk tanks

Location of process being carried out?

Dairy/Parlour

Identify the persons at risk:

Employees (including trainees)

Contractors

Public

Name the substance involved in the process and its manufacturer.

(A copy of a current safety data sheet for this substance should be attached to this assessment)

Kilcosan

Ingredients: - Contains sodium hydroxide, sodium hypochlorite solution and potassium hydroxide

Classification (state the category of danger)



Acute toxicity Cat 1-3



Serious health hazard



Aquatic Environment



Acute toxicity (cat 4)



Flammable



Explosive



Corrosive



Oxidising



Gas under pressure

Hazard Type



Gas



Vapour



Mist



Fume



Dust



Liquid



Solid



Other (State)

Route of Exposure



Inhalation



Skin



Eyes



Ingestion



Other (State)

Workplace Exposure Limits (WELs) please indicate n/a where not applicable

Long-term exposure level (8hrTWA):

Short-term exposure level (15 mins):

Sodium and potassium hydroxide - 2mg/m³

State the Risks to Health from Identified Hazards

Contains sodium and potassium hydroxide and sodium hypochlorite

- **Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
- **Eye contact:** Corneal burns may occur. May cause permanent damage.
- **Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
- **Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Control Measures: (for example extraction, ventilation, training, supervision). Include special measures for vulnerable groups, such as disabled people and pregnant workers

Engineering controls: - Where possible use automated/closed systems and cover open containers. Transport over pipes and fill with automatic systems. Always wear PPE where there is a risk of splashing and skin contact even if changing dosing pipes as chemical is very corrosive and will cause severe burns to skin.









Organisational Controls: - Train staff in safe systems of work. Avoid formation of mists. Store in a cool well ventilated space in original container with secure lid. Keep away from acids as if mixed will release toxic gas.

Is health surveillance or monitoring required?

Yes

No

Personal Protective Equipment (state type and standard)

 <input type="checkbox"/>		 <input checked="" type="checkbox"/>	Use of Full face visor or shield is strongly recommended because of splashing.
 <input type="checkbox"/>	Wear if there is a pollution incident.	 <input checked="" type="checkbox"/>	Fully fitting Safety Glasses or goggles
 <input checked="" type="checkbox"/>	Chemical resistant gloves – such as Butyl rubber Check penetration time with manufacturer	 <input checked="" type="checkbox"/>	Wear chemical resistant clothing and boots in the case where there is a risk of skin exposure or splashes any occur
 <input checked="" type="checkbox"/>	Rubber Dairy boots	 <input type="checkbox"/>	If using diluted product of less than 0.4% concentration then PPE should not be necessary.

First Aid Measures

Precautions: - Eye Bathing equipment should be present where it is used, mixed and stored.

- **Inhalation** – Remove person to fresh air, place in recovery position and seek medical attention
- **Skin Contact** – Remove immediately any contaminated clothing and footwear unless stuck to skin. Drench effected area with water for 10 mins or more and Seek medical help.
- **Eye contact** – Immediately rinse eyes cautiously with water for 15 minutes. Remove any contact lenses if easy to do so. Seek medical help.
- **Ingestion** – Wash our mouth with water. Immediately drink water and have a glass every 10 minutes. Do not induce vomiting. If unconscious place in recovery position Seek medical help immediately for transfer to hospital

First Aider to wear protective clothing. Wash any contaminated clothing before reuse.

Storage

Keep in original container with tight fitting lid.

Store in cool space with plenty of ventilation

Harmful to drinking water and sewerage systems do not discharge into drains or rivers

In case of spillage absorb into earth or sand and dispose of appropriately

Disposal of Substances & Contaminated Containers

Hazardous Waste Skip Return to Depot Return to Supplier Other

(If Other Please State): Dispose of any waste concentrate in accordance with local regulations

Is exposure adequately controlled?

Yes

No

What further action needs to be taken

Action

By Who

By what date

Assessed by: M Jeal

07.10.17

