



COSHH Risk Assessment No:

Acidsan

Farm:

Section/Area: Parlour, Dairy

Describe the activity or work process.
(Include how long and how often this is carried out and the quantity of substance used)

Used for internal cleaning and disinfection of dairy plant

Normally automatically dosed

Location of process being carried out?

Dairy, Parlour

Identify the persons at risk:

Employees
(Including trainees)

Contractors

Public
(including students)

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)

Acidsan

Nitric acid (Clear colourless liquid)

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):

Nitric acid – 2.6mg/m3

State the Risks to Health from Identified Hazards

Contact with eyes: - can cause severe eye damage and burns

Skin: Will cause severe chemical burns.

Ingestion: Causes severe irritation or burns to mouth, throat, oesophagus and stomach

Inhalation: - May cause respiratory irritation

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 covered containers. If the product is diluted using specific dosing systems then risk is reduced. PPE still recommended for changing automatic dosing tubes etc. Use local exhaust ventilation if necessary

Organisational Controls: - Ensure good general ventilation or use outdoors. Avoid direct splashes; use safe systems of work and PPE. Keep containers closed. Follow good hygiene practices. Keep eye wash stations in nearby vicinity. Respiratory protection needed if inadequate ventilation.

Diluted product – As above: - Use good general ventilation of storage and wash areas. Use PPE. Keep eye wash stations available for First Aid.

Is health surveillance or monitoring required? Yes No

Personal Protective Equipment (state type and standard)

 <input type="checkbox"/>		 <input checked="" type="checkbox"/>	Eye protection goggles or face visor recommended
Dust mask		Visor	
 <input type="checkbox"/>		 <input checked="" type="checkbox"/>	Eye protection goggles or face visor recommended
Respirator		Goggles	
 <input checked="" type="checkbox"/>	PVC or rubber gloves recommended which are acid resistant.	 <input checked="" type="checkbox"/>	Wear protective coveralls suitable for risk of acid splashing.
Gloves		Overalls	
 <input checked="" type="checkbox"/>	PVC or rubber boots	 <input type="checkbox"/>	
Footwear		Other	

First Aid Measures

Eyes: - Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention urgently.
Skin: - Remove any contaminated footwear and clothing. Rinse immediately with plenty of water or shower – consult medical attention immediately.
Ingestion: - Wash out mouth with water and give 200ml of water to drink. DO NOT induce vomiting. Seek medical advice immediately and show this document.
Inhalation: - Remove to fresh air, if breathing difficult trained personnel to give oxygen, seek medical attention

Storage

Handling: - Wear recommended personal protective equipment. Ensure thorough ventilation of stores and wash areas. Do not mix with other chemicals. Keep away from water and alkalis.
Spillage – Use inert materials such as soil, sand, ash and transfer to container for later disposal.
Storage: - Keep away from alkalis and hypochlorite solutions, oxidising agents and combustible materials. Store in cool well ventilated space. Keep in original tightly closed container. Keep away from sources of heat.

Disposal of Substances & Contaminated Containers

Hazardous Waste Skip Return to Depot Return to Supplier Other

(If Other Please State): ~~Follow Local Authority Regulations~~.....

Is exposure adequately controlled? Yes No

What further action needs to be taken

Action	By Who	By what date

Assessed by: M Jeal - 08/06/2018

