



COSHH Risk Assessment No:

Circo Power SFM

Farm:	Section/Area: Parlour, Dairy
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Describe the activity or work process. <i>(Include how long and how often this is carried out and the quantity of substance used)</i>	Used for internal cleaning and disinfection of dairy plant Normally automatically dosed
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Location of process being carried out?	Dairy, Parlour
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Identify the persons at risk:	Employees <input checked="" type="checkbox"/> <i>(Including trainees)</i>	Contractors <input checked="" type="checkbox"/>	Public <input type="checkbox"/> <i>(including students)</i>
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Name the substance involved in the process and its manufacturer. <i>(A copy of a current safety data sheet for this substance should be attached to this assessment)</i>	Circo Power SFM It is a mixture of nitric and phosphoric acid. Red in colour with mild odour
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Classification *(state the category of danger)*

<input type="checkbox"/> Acute toxicity Cat 1-3	<input type="checkbox"/> Serious health hazard	<input checked="" type="checkbox"/> Aquatic Environment
<input type="checkbox"/> Acute toxicity (cat 4)	<input type="checkbox"/> Flammable	<input type="checkbox"/> Explosive
<input checked="" type="checkbox"/> Corrosive	<input type="checkbox"/> Oxidising	<input type="checkbox"/> Gas under pressure

Hazard Type

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other (State)

Route of Exposure

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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
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State the Risks to Health from Identified Hazards

Contact with eyes: - can cause severe burns
Skin: Will cause chemical burns.
Ingestion: Causes severe damage to mucous membranes or gastrointestinal tract. Can cause gastrointestinal perforation.
Inhalation: - Move into fresh air if feel unwell.

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.

Organisational Controls: - Avoid direct splashes, use safe systems of work, cover containers and train staff. Keep away from alkalis and water as violent reaction may occur. Store in cool well ventilated space. Do not use aluminium containers as reaction with metals can occur.

Diluted product – Use good general ventilation of storage and wash areas. 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: - Wash off immediately with plenty of soap and water – consult medical attention.

Ingestion: - Wash out mouth with water and give plenty of water to drink. DO NOT induce vomiting. Seek medical advice immediately and show this document.

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.

Storage: - Store in a dry, well ventilated area out of direct sunlight. Store away from sources of heat Will react exothermically with water and react with some metals.

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 - 29/092017

