

COSHH RISK ASSESSMENT FORM

Risk Assessment
number: COSSH214



Assessment date 17/04/2025

Assessment review date

Person completing assessment Chris Cleal

Process Name: Stericleanse Blending and Packing

Quantity to be stored 4mt

ALL ASSESSMENTS TO BE REVIEWED BIENNIALLY!

Task Description

Blending and packing of Stericleanse

Process Duration: 4h
Process Frequency: Weekly
Exposure Quantity Potential: 1mt



H290 - May be corrosive to metals, H314 - Causes severe skin burns and eye damage.

P234 - Keep only in original packaging, P260 - Do not breathe dust/fume/gas/mist/vapours/spray, P264 - Wash hands, forearms and face thoroughly after handling, P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection, P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting, P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water, P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing, P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, P310 - Immediately call a POISON CENTER or doctor, P321 - Specific treatment (see supplemental first aid instruction on this label), P390 - Absorb spillage to prevent material damage, P405 - Store locked up, P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Name	Hazard Group	Classification according to Regulation (EC) No. 1272/2008 [CLP]
SODIUM HYDROXIDE	C	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318
POLYACRYLIC ACID, SODIUM SALT		Not classified

STERICLEANSE NO.1 - Hazard Group (Taken from COSHH Essentials)

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Ingredient Name	Occupational Exposure Limits
SODIUM HYDROXIDE	WEL STEL (OEL STEL): 2 mg/m ³

EXPOSURE INFORMATION

Skin corrosion/irritation	Causes severe skin burns.
Respiratory or skin sensitisation	Not classified
Serious eye damage/irritation	Causes serious eye damage.
Carcinogenicity	Not classified
Aspiration hazard	Not classified

Likely routes of exposure:	Inhalation	Yes	Ingestion	Yes	Skin contact	Yes
	Absorption	No	Injection	No	Eye contact	Yes
Form exposed to	Liquid					
Personnel exposed:						

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HIERACHY OF CONTROL & CONTROLS APPLIED

Elimination	Material cannot be eliminated
Substitution	Material has been substituted in from a 47% grade
Isolation	Production and racking is in limited areas
Ventilation	LEV in place
Additional information	PPE and DiPhex are provided to operatives
Training, Competency, Procedural	Staff are trained on safe handling

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Protective gloves		6 (> 480 minutes)			EN ISO 374-1

Eye protection:

Safety glasses

Type	Field of application	Characteristics	Standard
Safety goggles, Safety glasses	Droplet	Plastic	EN 166

Skin and body protection:

Wear suitable protective clothing

Type	Standard
Use protective clothing	EN 14605

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment



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Environmental exposure controls:

Avoid release to the environment.

ASSESSMENT OF RISK – With Control Measures In Place

LIKELIHOOD X SEVERITY = RISK FACTOR

Product form	Determinant	Amount	Exposure Predictor Band		
			dustiness/volatility		
			low	med	high
Solid	Small	g	EP1	EP1	EP2
	Medium	kg	EP2	EP3	EP3
	Large	T	EP2	EP4	EP4
Liquid	Small	ml	EP1	EP2	EP2
	Medium	L	EP2	EP3	EP3
	Large	m ³	EP2	EP3	EP4

*EP – Exposure Predictor

Table 1 – Definitions of Exposure Predictor Bands from amount and exposure potential

Hazard Group and phase	Exposure Predictor Band			
	EP1	EP2	EP3	EP4
A solid	CA1	CA1	CA1	CA2
A liquid	CA1	CA1	CA1 *	CA2
B solid	CA1	CA1	CA2	CA3
B liquid	CA1	CA1	CA2	CA2
C solid	CA1	CA2	CA3	CA4
C liquid	CA1	CA2	CA3	CA3
D solid	CA2	CA3	CA4	CA4
D liquid	CA2	CA3	CA4	CA4
E solid	CA4	CA4	CA4	CA4
E liquid	CA4	CA4	CA4	CA4

*CA - Control Approach (Table 3)

Table 2 - Control Approaches (CAs) needed for each Hazard Group

Control Approach	Type	Relative efficacy	General description
CA1	General ventilation	1	A good standard of general ventilation and good working practices.
CA2	Engineering control	10-fold reduction	Local exhaust ventilation ranging from well-positioned capturing and receiving hoods to effective partial enclosing hoods.

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CA3	Containment	100-fold reduction	Full enclosures and containment, where small-scale breaches may be expected.
CA4	Special	-	Expert advice is required to select appropriate control measures.

Table 3 - The Four Control Approaches

EMERGENCY RESPONSE

First aid measures:	Inhalation	Remove person to fresh air and keep comfortable for breathing.
	Eye contact	Rinse skin with water/shower, Take off immediately all contaminated clothing, Call a physician immediately
	Ingestion	Rinse mouth, Do not induce vomiting, Call a physician immediately
	Skin contact	Rinse cautiously with water for several minutes, Remove contact lenses, if present and easy to do. Continue rinsing, Call a physician immediately
First aid Accidental release measures:	Personal precautions	Stop leak if safe to do so; Notify authorities if product enters sewers or public waters; Absorb spillage to prevent material damage.
	Environmental precautions	Avoid release to the environment
	Clean up methods	Absorb spilled material with sand or earth; Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams; Stop leak without risks if possible. Take up liquid spill into
Firefighting measures	Fire hazard	No fire hazard.
	Explosion hazard	No direct explosion hazard.
	Hazardous decomposition products in case of	Toxic fumes may be released.
	Suitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.
	Unsuitable extinguishing media	Do not use a heavy water stream.

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Action Plan

Where risks are not adequately controlled, outline the further control measures that are recommended to ensure exposures are controlled to ALARP.

The Action Plan must be discussed with the line manager and the recommendations accepted, rejected or modified. The accepted or modified recommendations are then tracked in SIMS and the COSHH Risk Assessment updated.

Further Control Measure	Accepted, Rejected or Modified	Responsible Person	Target Date	Date Implemented

i Note: this assessment should be reviewed sooner than the date suggested if any of the following are applicable:

Modification of existing, or installation of new, process plant or equipment: A change in process or volume of production: New substances or new evidence on hazards of existing substances: Alteration of control techniques/equipment: Ill health related to work is reported or monitoring/health surveillance indicates loss of control: New or improved techniques become reasonably practicable