

SAFETY DATA SHEET

Formal Saline Solution

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name:	Formal Saline Solution
Synonyms:	

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended uses:	Surface Disinfectant
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1.3 Details of the supplier of the safety data sheet

Supplier:	Co-Clens Ltd
Company:	Cod Beck Blenders Ltd
Address:	Cod Beck Mill Industrial Estate Dalton Lane Thirsk YO7 3HR
Telephone:	+44 (0) 1845 577117
Email:	enquiries@cbchem.co.uk

1.4 Emergency telephone number

+44 (0) 1845 577117 (24hrs)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to 1272/2008/EC:

Physical hazards:	None
Health hazards:	Acute Toxic 3 Oral: H302 Acute Toxic 3 Dermal: H312 Acute Toxic 3 Inhalable: H331 Skin corrosion 2 H314 Eye Damage 1: H318 Skin sensitiser 1: H317 Mutagen 2: H341 Carcinogen 1B: H350 STOT Single exposure 1: H370 Eyes and central nervous system
Environmental hazards:	None

Most serious harmful effects:

Harmful by ingestion, inhalation, and absorption through the skin

2.2 Label elements

Labelling according to 1272/2008/EC:



Signal word:	Danger
Hazard statements:	H302: Harmful if swallowed H312: Harmful in contact with skin H331: Toxic if inhaled H315: Causes skin irritation H318: Causes serious eye damage H317: May cause an allergic skin reaction H341: Suspected of causing genetic defects H350: May cause cancer H370: Causes damage to organs – Eyes and central nervous system
Precautionary statements:	P201: Obtain special instructions before use. P260: Do not breathe fumes/mist/vapours/spray. P264: Wash thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental label information:	None
Supplementary precautionary statements:	None

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3: Composition/information on ingredients

This product is a mixture.

3.2 Mixtures

Name	Numerical identifiers	Concentration limits	Classification
Formaldehyde	CAS 50-00-0 EC-No 200-001-8 REACH 01-21119488953-20-xxxx	2-5%	Acute Toxic 3 H301 Acute toxic 3 H312 Acute Toxic 2 H331 Skin corrosion 1b H314 Eye damage 1 H318 Skin sensitiser 1 H317 Mutagen 2 H340 Carcinogen 1b H350 STOT SE3 H370

Name	Numerical identifiers	Concentration limits	Classification
Methanol	CAS 67-56-1 EC-No 200-659-6 REACH 01-2119433307-44-xxxx	1-2%	Flammable Liquid 2 H225 Acute Toxic 3 H301/H331/H311 STOT SE1 H370

Section 4: First aid measures

4.1 Description of first aid measures

Inhalation:	Remove to fresh air and seek medical advice
Skin contact:	Immediately remove contaminated clothing and wash thoroughly. If the casualty feels ill, skin reddening, or a rash occurs seek medical attention
Eye contact:	Rinse with plenty of water immediately obtain medical attention
Ingestion:	Make the casualty comfortable and seek immediate medical attention. Ensure the physician has a copy of this SDS

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	Nausea and dizziness
Eye contact:	Severe irritation and damage to vision
Ingestion:	Gastric irritation

Information for health personnel:

4.3 Indication of any immediate medical attention and special treatment needed

Treatment:	Treat symptomatically
Specific details on antidotes:	None available

Section 5: Firefighting measures

5.1 Extinguishing media / Inappropriate extinguishing media:	Avoid water jet which may spread to flames. Use media suitable to the main body of the fire
5.2 Special hazards arising from the substance or mixture:	Heating may release harmful fumes
5.3 Advice for firefighters:	Wear suitable protective clothing and self-contained breathing apparatus

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation.

6.2 Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

6.3 Methods and material for containment and cleaning up

Prevent entry into sewers, water courses, or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Small spillages may be diluted and mopped away.

6.4 Reference to other sections

For personal protection see section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. After handling, always wash hands thoroughly with soap and water.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use.

7.3 Specific end use(s):	Surface disinfectant
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7.4 Conditions to avoid:	Heat
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Section 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Substance	Long term exposure limit (WEL) (8hr TWA)	Short term exposure limit (STEL)
Formaldehyde	2ppm / 2.5mg/m ³ (15min)	2ppm / 2.5mg/m ³ (15min)
Methanol	200ppm / 266mg/m ³ (15min)	250ppm / 333mg/m ³ (15min)

8.2 Exposure controls

Safety signs



Engineering controls:

Respiratory protection:

Where possible ensure good ventilation

Hand protection:

Wear suitable gloves (nitrile with good mechanical strength)

Eye / face protection:

Safety glasses tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Tightly fitting safety goggles are required if splashing is possible

Skin protection:

Impervious clothing such as apron and rubber boots

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Colourless
Odour:	Pungent
pH:	7

Density:	1.01-1.2
Flash point:	Not applicable
Flammability range:	Not applicable
Miscibility with water:	Readily soluble

9.2 Other information

Not available

Section 10: Stability and reactivity

10.1 Reactivity:	No specific indication of reactivity
10.2 Chemical stability:	Stable under recommended storage
10.3 Possibility of hazardous reactions:	Under intended use no hazardous reactions are known.
10.4 Conditions to avoid:	Nonspecific
10.5 Incompatible materials:	Acids
10.6 Hazardous decomposition products:	Under normal storage and use no hazardous decomposition products are expected

Section 11: Toxicological information

11.1 Information on toxicological effects

General information:	There is no available test data for the product; all hazard data provided is derived by ECHA calculation. Toxicity data for the main component formaldehyde is as follows
Inhalation:	LC50 Rat 250ppm/4hours
Ingestion:	LD50 oral Rat 100mg/kg
Skin contact:	LD50 Dermal Rabbit 270mg/kg Mild irritant – Rabbit/72 hrs
Eye contact:	Severe irritant Rabbit/24hrs
Acute and chronic health hazards:	Acute toxic, severe eye damage, skin irritant
Medical symptoms:	Eye damage, skin irritancy and toxic symptoms
Medical considerations:	Treat symptomatically

Section 12: Ecological information

The product is not subject to ecological classification according to directive 1999/45/EC

12.1 Toxicity (for concentrated surfactant):	Not determined
12.2 Persistence and degradability:	Not determined
12.3 Bioaccumulative potential:	All organic components are readily biodegradable
12.4 Mobility in soil:	Aqueous solution
12.5 Results of PBT and vPvB assessment:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects:

The product is likely to cause local and acute damage to aquatic environment

Section 13: Disposal considerations

13.1 Waste treatment methods

General information / Disposal method:

Should waste be generated, disposal should be in accordance with local regulation. Release of large quantities into waste treatment or other biological treatment systems could impair the system effectiveness

Section 14: Transport information

14.1 UN number:	Not applicable
14.2 UN proper shipping name:	Not applicable
14.3 Transport hazard class(es):	Not applicable
14.4 Packing group:	Not applicable
14.5 Environmental hazards:	Not applicable
14.6 Special precautions for user:	Not applicable

Section 15: Regulatory information

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

EU legislation:	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Workplace exposure limits:	UK: EH40/2005 (Third edition; 2018) Ireland: Code of Practice for the Chemical Agents Regulations (2018)

Section 16: Other information

Hazard statements

Code	Statement
H302	Harmful if swallowed
H312	Harmful in contact with skin
H331	Toxic if inhaled
H315	Causes skin irritation
H318	Causes serious eye damage
H317	May cause an allergic skin reaction
H341	Suspected of causing genetic defects

Code	Statement
H350	May cause cancer
H370	Causes damage to organs – Eyes and central nervous system

Precautionary statements

Code	Statement
P201	Obtain special instructions before use.
P260	Do not breathe fumes/mist/vapours/spray.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P310	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Key literature references and sources for data:	European Chemicals Agency, http://echa.europa.eu/
Use restriction:	The mixture should not be used for purposes other than those described in section 1 of this document
Issued by:	Job title required
Basis of classification:	Regulation (EC) No 1272/2008 (as amended) plus associated guidance
Changes made in this Safety Data Sheet:	Revision 01 (22-09-2026): reformatted to Co-Clens branding. No change to technical content. Previous version: Issue 01, Revision 00, issued 16-11-2020.