

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME SORENSEN'S BUFFER CONCENTRATE pH 6.9

PRODUCT CODE 62508x

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2. HAZARDS IDENTIFICATION

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

Acute Toxicity, Oral (Category 4) H302

Chronic Aquatic Toxicity (Category 4) H413

LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

WARNING



Hazard statement(s)

H302 Harmful if swallowed

H413 May cause long-lasting harmful effects to aquatic life

Precautionary statement(s)

P301+P313 IF SWALLOWED: Get medical advice / attention

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC #	CAS #	Content	Classification
DISODIUM HYDROGEN o-PHOSPHATE	231-448-7	7558-79-4	1-5%	
POTASSIUM DIHYDROGEN o-PHOSPHATE	231-913-4	7778-77-0	1-5%	
SODIUM AZIDE	247-852-1	26628-22-8	<0.1%	Acute Tox. 2; Aquatic Acute 1, Aquatic Chronic 1 H300 H410
CHLORHEXIDINE GLUCONATE	242-354-0	18472-51-0	<0.1%	Skin Irrit. 2; Eye Irrit. 2; Resp. Sens. 1; STOT SE 3; Aquatic Acute 1; Aquatic Chronic 1 H315 H319 H334 H335 H410

4. FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get prompt medical attention.

INGESTION

Do not induce vomiting. Rinse mouth with water. Never make an unconscious person vomit or drink fluids. Get medical attention.

SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. Seek medical attention.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Water spray, Alcohol-resistant foam, Dry chemicals, or Carbon dioxide.

PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus if necessary.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to a safe area. Avoid breathing dust. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Do not allow spillage to enter watercourses, drains or sewers. Stop further spillage if possible without risk.

SPILL CLEAN-UP METHODS

Sweep up into bag and hold for hazardous disposal. Avoid raising aerosols. Flush area with water – do not allow water to enter drains. Absorb with disposable towels and hold for hazardous disposal – see section 13.

7. HANDLING & STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Provide adequate exhaust function where aerosols are likely.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

STORAGE CLASS

Chemical storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

PROTECTIVE EQUIPMENT



HAND PROTECTION

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved, tight-fitting safety glasses where splashing is probable.

RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where high splashing is likely.

OTHER PROTECTION

Provide eyewash station.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Colourless liquid
ODOUR	None
SOLUBILITY / MISCIBLE WITH	Water, ethanol
BOILING POINT	~ 101 °C
SPECIFIC GRAVITY	~ 1.08 – 1.10

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Moisture

INCOMPATIBLE MATERIALS

Strong oxidising agents

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides, Hydrogen Iodide, Sodium oxides

11. TOXICOLOGICAL INFORMATION

INHALATION

May be harmful if inhaled. May cause respiratory tract irritation.

INGESTION

Harmful if swallowed.

SKIN CONTACT

May be harmful if absorbed through skin. May cause skin irritation.

EYE CONTACT

May cause eye irritation.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment. However, release to the environment should be avoided due to the presence of low concentrations of sodium azide (bacteriostat) and chlorhexidine (antiseptic).

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	<i>Not regarded as hazardous for transport</i>			
<u>IATA</u>				
<u>IMDG</u>				

15. REGULATORY INFORMATION

STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.
Workplace Exposure Limits EH40/2011.

16. OTHER INFORMATION

GENERAL INFORMATION

This safety data sheet covers all codes for this product.

REVISION INFORMATION

Revision No.	04
Revision Date	09/2015
Comments	CHIP regulations removed
Replaces Document Generated	04/2013

HAZARD STATEMENTS IN FULL

H300	Fatal if swallowed
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H410	Very toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life