

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME CITRATE BUFFER (10X CONCENTRATE, pH 6.7)

PRODUCT CODE 64275x

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2. HAZARDS IDENTIFICATION

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

Acute Toxicity, Oral (Category 4)	H302
Eye Irritation (Category 2B)	H320

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

WARNING



Hazard statement(s)

H302	Harmful if swallowed
H320	Causes eye irritation

Precautionary statement(s)

P264	Wash hands / skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P301+P312	IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313	IF eye irritation persists: Get medical advice/attention

CONTINUED OVERLEAF

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC #	CAS #	Content	Classification
CITRIC ACID	201-069-1	77-92-9	1-5 %	Eye Irrit. 2A H319
SODIUM HYDROXIDE	215-185-5	1310-73-2	1-5 %	Skin Corr. 1A H314
SODIUM AZIDE	247-852-1	26628-22-8	0.1 – 1 %	Acute Tox. 2; Aquatic Acute 1, Aquatic Chronic 1 H300 H410

4. FIRST-AID MEASURESINHALATION

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 immediately.

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 MEASURESEXTINGUISHING MEDIA

Use: Firefighting media appropriate for surrounding materials.

PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus if necessary.

6. ACCIDENTAL RELEASE MEASURESPERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to a safe area. Avoid aerosol formation. Avoid breathing aerosols. 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

Flush area with water. Absorb with disposable towels and hold for hazardous disposal – see section 13.

7. HANDLING & STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid aerosol formation. Provide adequate exhaust function where aerosols are raised.

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 dust is probable.

RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where high dust levels are 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, Alcohol
SPECIFIC GRAVITY	~ 1.01
BOILING POINT	~ 101 °C

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

INCOMPATIBLE MATERIALS

Strong oxidizers, strong acids.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

INHALATION

May be harmful if inhaled. Causes respiratory tract irritation.

INGESTION

Harmful if swallowed.

SKIN CONTACT

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

EYE CONTACT

Causes eye irritation.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment. However, the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

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.	03
Revision Date	10/2015
Comments	CHIP regulations removed
Replaces Document Generated	02/2013

HAZARD STATEMENTS IN FULL

H300	Fatal if swallowed
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H410	Very toxic to aquatic life with long lasting effects