Date of preparation : 16 December 2020



SAFETY DATA SHEET

FOODPRO ST8069

1. Identification

Product identifier FOODPRO ST8069

Other means of identification None.

Recommended use of the chemical and restrictions on use

Recommended use Corrosion inhibitor / Deposit control agent

Restrictions on use Not available.

Company/undertaking identification

SUEZ WATER TECHNOLOGIES & SOLUTIONS PTY

LIMITED

103 Raubers Road, Northgate, QLD 4013 Australia Level 6, 63 Albert Street, Auckland, 1010, New Zealand

Tel: 1800 064 140 (AUS) 0800 945635 (NZ)

Emergency telephone

+61-290372994 (Aust) +64-98010034 (NZ)

2. Hazard(s) identification

Classification of the hazardous chemical

Physical hazardsCorrosive to metalsCategory 1Health hazardsSkin corrosion/irritationCategory 1CSerious eye damage/eye irritationCategory 2A

Sensitization, skin Category 1

Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

Environmental hazards Not classified.

Label elements, including precautionary statements

Hazard symbol(s)



Corrosion

Exclamation mark

Signal word Danger

Hazard statement(s) May be corrosive to metals. Causes severe skin burns and eye damage. May cause an allergic

skin reaction. Causes serious eye irritation. May cause respiratory irritation.

Precautionary statement(s)

Prevention Keep only in original container. Do not breathe mist or vapor. Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off

immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash

contaminated clothing before reuse. Absorb spillage to prevent material damage.

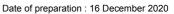
Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in corrosive

resistant container with a resistant inner liner.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.



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Other hazards which do not

None known.

result in classification Supplemental information

None.

3. Composition/information on ingredients

Mixtures

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
Hydroxyphosphono acetic acid, potassium salt	129836-12-0	3 - < 5
Cumene, Monosulpho Derivative, Sodium Salt	32073-22-6	1 - < 3
Potassium hydroxide	1310-58-3	< 1

4. First-aid measures

Description of necessary first aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison

center or doctor/physician if you feel unwell.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Call a physician

or poison control center immediately. Chemical burns must be treated by a physician. Wash

contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical Ingestion

attention if symptoms occur.

Personal protection for first-aid

responders

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical

personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash

contaminated clothing before reuse.

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may Symptoms caused by exposure

include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including

blindness could result. May cause respiratory irritation.

Medical attention and special

treatment

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an

ambulance. Continue flushing during transport to hospital. Keep victim under observation.

Symptoms may be delayed.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing

media

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire. Unsuitable extinguishing

Specific hazards arising from

the chemical

Special protective equipment

During fire, gases hazardous to health may be formed.

and precautions for fire

fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk.

Hazchem code None.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.







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For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

SDS.

Environmental precautions

Methods and materials for containment and cleaning up

Avoid discharge into drains, water courses or onto the ground.

Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to

remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling Do not get in eyes, on skin, or on clothing. Provide adequate ventilation. Wear appropriate

personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in a cool, dry place out of direct sunlight. Store in corrosive resistant container with a resistant inner liner. Store in tightly closed container. Keep only in the original container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls and personal protection

Control parameters

Follow standard monitoring procedures.

Occupational exposure limits

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

 Components
 Type
 Value

 Potassium hydroxide (CAS
 Ceiling
 2 mg/m3

1310-58-3)

US. ACGIH Threshold Limit Values

ComponentsTypeValuePotassium hydroxide (CASCeiling2 mg/m3

1310-58-3)

UK. EH40 Workplace Exposure Limits (WELs)

Components Type Value

Potassium hydroxide (CAS STEL 2 mg/m3

1310-58-3)

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, for example personal protective equipment (PPE)

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield. Splash proof chemical

goggles.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing.

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the

workplace.

9. Physical and chemical properties

Appearance Liquid



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Physical state Liquid. Liquid. **Form**

Color Amber to dark brown

Odor Musty

Not available. **Odor threshold**

pH (concentrated product) 10.54

pH in aqueous solution 10.89 (5% SOL.)

Melting point/freezing point -6 °C Initial boiling point and boiling 99 °C

range

Not available. Flash point < 1(Ether = 1) **Evaporation rate** Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Not available. Not available. Explosive limit - upper (%) 18 mm Hg Vapor pressure

Vapor pressure temp. 21 °C Vapor density < 1 (Air = 1)

Relative density 1.16 21 °C Relative density temperature

Solubility(ies)

100 % Solubility (water)

Partition coefficient Not available. (n-octanol/water)

Not available. **Auto-ignition temperature Decomposition temperature** Not available.

Viscosity 6 cps 21 °C Viscosity temperature

Other physical and chemical parameters

Not explosive. **Explosive properties** Not oxidizing. **Oxidizing properties** 10.89 (5% SOL.) pH in aqueous solution

-3 °C Pour point Specific gravity 1.164

0.5 % (Estimated)

10. Stability and reactivity

Reactivity May be corrosive to metals.

Not available. **Chemical stability**

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with

incompatible materials.

Strong oxidizing agents. Metals. Incompatible materials



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Hazardous decomposition

No hazardous decomposition products are known.

products

11. Toxicological information

Information on possible routes of exposure

Inhalation May cause irritation to the respiratory system.

Skin contact Causes severe skin burns. May cause an allergic skin reaction.

Eye contactCauses serious eye damage. **Ingestion**Causes digestive tract burns.

Symptoms related to exposure

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including

blindness could result. May cause respiratory irritation.

Acute toxicity Not known.

Product Species Test Results
FOODPRO ST8069 (CAS Mixture)

Acute Dermal

LD50 Rabbit > 5000 mg/kg, (Calculated according to

GHS additivity formula)

Inhalation

LC50 Rat > 20 mg/l, 4 Hour, (Calculated according to

GHS additivity formula)

Oral

LD50 Rat > 5000 mg/kg, (Calculated according to

GHS additivity formula)

Components Species Test Results

Potassium hydroxide (CAS 1310-58-3)

Acute Oral

LD50 Rat 333 mg/kg

Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer. This product is not expected to cause respiratory sensitization.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Not available.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

May cause respiratory irritation.

Specific target organ toxicity -

repeated exposure

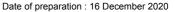
Not classified.

Aspiration hazard Not an aspiration hazard. Based on available data, the classification criteria are not met.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.





FOODPRO ST8069

Product		Species	Test Results	
FOODPRO ST8069 (CAS M	lixture)			
Aquatic				
Crustacea	LC50	Daphnia magna	1531 mg/L, Static Renewal Bioassay, 48 hour, (pH adjusted)	
	NOEL	Daphnia magna	625 mg/L, Static Renewal Bioassay, 48 hour, (pH adjusted)	
Fish	LC50	Fathead Minnow	2429 mg/L, Static Renewal Bioassay, 96 hour, (pH adjusted)	
	NOEL	Fathead Minnow	1250 mg/L, Static Renewal Bioassay, 96 hour, (pH adjusted)	
Bioaccumulative potential				
Mobility in soil	No data a	No data available for this product.		
Other adverse effects	No other	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation		

potential, endocrine disruption, global warming potential) are expected from this component.

The product is not classified as environmentally hazardous. However, this does not exclude the **Environmental fate**

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

13. Disposal considerations

Disposal methods Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

ADG

UN number

UN proper shipping name Transport hazard class(es) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE SOLUTION)

8 Class Subsidiary risk Packing group Ш

Environmental hazards Not available.

2X Hazchem code

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number

UN proper shipping name Transport hazard class(es) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE SOLUTION)

8 Class Subsidiary risk Packing group Ш **Environmental hazards** Nο

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number

UN proper shipping name Transport hazard class(es) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE SOLUTION)

Class 8 Subsidiary risk







FOODPRO ST8069

Packing group

Ш

Environmental hazards

Marine pollutant No. F-A. S-B **EmS**

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and

Not established.

the IBC Code

ADG



IATA; IMDG



15. Regulatory information

Safety, health and environmental regulations

National regulations This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the

preparation of Safety Data Sheets for Hazardous Chemicals (May 2018).

Australia Medicines & Poisons Appendix A

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix B

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix D

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix E

Potassium hydroxide (CAS 1310-58-3) Australia Medicines & Poisons Appendix F

Potassium hydroxide (CAS 1310-58-3)

Australia Medicines & Poisons Appendix G

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix H

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix I

Poisons schedule number not allocated.

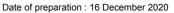
Australia Medicines & Poisons Appendix J

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix K

Poisons schedule number not allocated.







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Australia Medicines & Poisons Schedule 10

Potassium hydroxide (CAS 1310-58-3)

Australia Medicines & Poisons Schedule 2

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 3

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 4

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 5

Potassium hydroxide (CAS 1310-58-3)

Australia Medicines & Poisons Schedule 6

Potassium hydroxide (CAS 1310-58-3)

Australia Medicines & Poisons Schedule 7

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 8

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 9

Poisons schedule number not allocated.

High Volume Industrial Chemicals (HVIC)

Potassium hydroxide (CAS 1310-58-3)

1000 - 9999 TONNES See the regulation for additional information.

Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)

Not listed.

National Pollutant Inventory (NPI) substance reporting list

Not listed.

Prohibited Carcinogenic Substances

Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)

Not listed.

Resricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not listed.

Restricted Carcinogenic Substances

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No







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Country(s) or region Inventory name On inventory (yes/no)* Inventory of Existing and New Chemical Substances (ENCS) Japan

Korea Existing Chemicals List (ECL) No New Zealand New Zealand Inventory Yes

Philippines Philippine Inventory of Chemicals and Chemical Substances No

(PICCS)

Taiwan Taiwan Chemical Substance Inventory (TCSI) No United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing

country(s)

NSF Registered and/or meets **USDA** (according to 1998

Registration No. - 146018

Category Code(s):

G5 Cooling and retort water treatment products guidelines):

G7 Boiler, steam line treatment products - nonfood contact

16. Other information

Issue date 16-December-2020

16/12/2020 **Revision date**

References: No data available

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge,

information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other

materials or in any process, unless specified in the text.

Revision information Product and Company Identification: Physical States

Composition / Information on Ingredients: Additional Components

Physical & Chemical Properties: Multiple Properties Transport Information: Material Transportation Information Regulatory Information: Risk Phrases - Classification

Material Attributes & Uses; Experimental Data: Experimental Data

HazReg Data: Europe - EU

GHS: Classification



^{*} Trademark of SUEZ. May be registered in one or more countries.