

Date of preparation : 22 January 2021



# **SAFETY DATA SHEET**

# **MEMCHEM MCT253**

#### 1. Identification

Product identifier MEMCHEM MCT253

Other means of identification None.

Recommended use of the chemical and restrictions on use

Restrictions on use Membrane cleaner Industrial usage.

#### 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 hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.

# Label elements, including precautionary statements

Hazard symbol(s) None.
Signal word None.

**Hazard statement(s)** The mixture does not meet the criteria for classification.

Precautionary statement(s)

**Prevention** Observe good industrial hygiene practices.

Response Wash hands after handling.

**Storage** Store away from incompatible materials.

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

Other hazards which do not

result in classification

None known.

Supplemental information None.

# 3. Composition/information on ingredients

#### **Mixtures**

The components are not hazardous or are below required disclosure limits.

## 4. First-aid measures

## Description of necessary first aid measures

**Inhalation** Call a physician if symptoms develop or persist.

**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

protect themselves.

responders

Disast contact with access and to be a contact to a

Symptoms caused by exposure Direct contact with eyes may cause temporary irritation.





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Medical attention and special

Treat symptomatically.

Powder.

treatment

## 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing

media

Unsuitable extinguishing

media

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

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment 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

General fire hazards

No unusual fire or explosion hazards noted.

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

None.

For non-emergency

personnel

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

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. Use water spray to reduce vapors or divert vapor cloud drift.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. 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

Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in tightly closed 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

No exposure limits noted for ingredient(s).

**Biological limit values** 

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

**Exposure guidelines** 

No exposure standards allocated.

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.

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

Eye/face protection Wear safety glasses with side shields (or goggles).

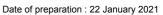
Skin protection

Wear appropriate chemical resistant gloves. Hand protection

Other Wear suitable protective clothing.



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Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

**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.

## 9. Physical and chemical properties

Appearance Liquid
Physical state Liquid.
Form Liquid.
Color Colorless
Odor Mild

Odor threshold Not available.

pH (concentrated product) 2.5

pH in aqueous solution 3.1 (5% SOL.)

Melting point/freezing point -1 °C Initial boiling point and boiling 104 °C

range

Flash point > 100 °C P-M(CC)

Evaporation rate < 1 (Ether = 1)

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

riammability limit - lower

(%)

Flammability limit - upper

(%)

Explosive limit - lower (%) Not available.

Not available.

Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 18 mm Hg

Vapor pressure temp.  $21 \,^{\circ}\text{C}$  Vapor density  $< 1 \, (\text{Air} = 1)$ 

Relative density 1.06
Relative density temperature 21 °C

Solubility(ies)

Solubility (water) 100 %

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity 3 cps Viscosity temperature 21 °C

Other physical and chemical parameters

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

pH in aqueous solution 3.1 (5% SOL.)

Pour point 2 °C Specific gravity 1.062

VOC 0 % (Estimated)





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10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Not available.

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.

Incompatible materials Strong oxidizing agents.

**Hazardous decomposition** 

products

No hazardous decomposition products are known.

### 11. Toxicological information

Information on possible routes of exposure

InhalationNo adverse effects due to inhalation are expected.Skin contactNo adverse effects due to skin contact are expected.Eye contactDirect contact with eyes may cause temporary irritation.

**Ingestion** Expected to be a low ingestion hazard.

Symptoms related to exposure Direct contact with eyes may cause temporary irritation.

Acute toxicity Not known.

Product Species Test Results

MEMCHEM MCT253 (CAS Mixture)

**Acute** Dermal

LD50 Rabbit > 2000 mg/kg, (Calculated according to

GHS additivity formula)

Oral

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

GHS additivity formula)

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

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

**Germ cell mutagenicity**No 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

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

**Aspiration hazard** Not an aspiration hazard.

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.

Product Species Test Results

MEMCHEM MCT253 (CAS Mixture)

Aquatic

Crustacea 0% Mortality Daphnia magna 500 mg/L, Static Screen, 48 hour, (pH

adjusted)



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Product		Species	Test Results
	100% Mortality	Daphnia magna	5000 mg/L, Static Screen, 48 hour, (pH adjusted)
Fish	0% Mortality	Fathead Minnow	5000 mg/L, Static Screen, 48 hour, (pH adjusted)

Bioaccumulative potential No data available.

Mobility in soil No data available for this product.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

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

Environmental fate 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.

Persistence and degradability

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

- COD (mgO2/g) 138 (calculated data)
- BOD 5 (mgO2/g) 24 (calculated data)
- BOD 28 (mgO2/g) 78 (calculated data)
- Closed Bottle Test (% 57 (calculated data)
Degradation in 28 days)
- Zahn-Wellens Test (% 75 (calculated data)

Degradation in 28 days)

- TOC (mg C/g) 62 (calculated data)

# 13. Disposal considerations

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

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).

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

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

disposal.

## 14. Transport information

### **ADG**

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

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

Not established.

the IBC Code

### 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).

Group Standard - Water treatment chemicals - Subsidiary hazard HSR002684

## Australia Medicines & Poisons Appendix A

Poisons schedule number not allocated.

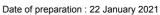
# Australia Medicines & Poisons Appendix B

Poisons schedule number not allocated.

## Australia Medicines & Poisons Appendix D

Poisons schedule number not allocated.







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### Australia Medicines & Poisons Appendix E

Poisons schedule number not allocated.

#### Australia Medicines & Poisons Appendix F

Poisons schedule number not allocated.

### 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.

#### Australia Medicines & Poisons Schedule 10

Poisons schedule number not allocated.

#### 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

Poisons schedule number not allocated.

### Australia Medicines & Poisons Schedule 6

Poisons schedule number not allocated.

#### 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)

Not listed.

#### 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.

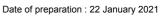
#### **Rotterdam Convention**

Not applicable.

## **Kyoto protocol**

Not applicable.





On inventory (yes/no)\*



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#### **Montreal Protocol**

Not applicable.

### **Basel Convention**

Not applicable.

Country(s) or region

#### **International Inventories**

	•	3 (3	,
Australia	Australian Inventory of Chemical Substances (AICS)	}	Yes
Canada	Domestic Substances List (DSL)	)	Yes
Canada	Non-Domestic Substances List (NDSL)		No
China	Inventory of Existing Chemical Substances in China (IECSC)	)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	١	Yes
Europe	European List of Notified Chemical Substances (ELINCS)		No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	)	Yes
Korea	Existing Chemicals List (ECL)	)	Yes
New Zealand	New Zealand Inventory	)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	)	Yes

(PICCS)

Inventory name

Taiwan Taiwan Chemical Substance Inventory (TCSI) Yes Toxic Substances Control Act (TSCA) Inventory United States & Puerto Rico Yes

#### 16. Other information

Issue date 22-January-2021 **Revision date** 22/01/2021 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.

Product and Company Identification: Alternate Trade Names **Revision information** 

Composition / Information on Ingredients: Disclosure Overrides

Physical & Chemical Properties: Multiple Properties Toxicological Information: Toxicological Data

Transport Information: Material Transportation Information

HazReg Data: Pacific Rim **GHS: Classification** 



<sup>\*</sup>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).