SAFETY DATA SHEET

Cortrol IS4990

Infosafe No.: GBZFN
ISSUED Date : 28/02/2020
ISSUED by: Suez Water Technologies & Solutions Pty Ltd

1. IDENTIFICATION

GHS Product Identifier
Cortrol IS4990

Product Code
G15072

Product Type
Oxygen scavenge

Company Name
Suez Water Technologies & Solutions Pty Ltd (ABN 84 001 221 941)

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Suez Water Technologies & Solutions
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Emergency phone number
1800 638 556 (Aus) 0800 154 666 (NZ)

Recommended use of the chemical and restrictions on use
Oxygen scavenge

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture
Eye Damage/Irritation: Category 2A
Skin Corrosion/Irritation: Category 2

Signal Word (s)
WARNING

Hazard Statement (s)
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Pictogram (s)
Exclamation mark

Precautionary statement – Prevention
P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

Precautionary statement – Storage
P404 Store in a closed container.

Precautionary statement – Disposal
P501 Dispose of contents/container to be in compliance with local/regiional/national/international regulations.

Supplemental Information
HSNO code: 6.3A (Substances that are irritating to the skin)
HSNO code: 6.4A (Substances that are irritating to the eye)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Sodium Hydroxide	1310-73-2	0.5-<2 %
Components not classified as dangerous goods	N/A	Balance

4. FIRST-AID MEASURES

Inhalation
Move to fresh air

Ingestion
Rinse mouth. Do not give anything to eat or drink.

Skin
Take off immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Eye contact
Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Indication of immediate medical attention and special treatment needed if necessary
Not available

Most important symptoms/effects, acute and delayed
Irritant effects

5. FIRE-FIGHTING MEASURES

Fire Fighting Measures
Use standard firefighting procedures and consider the hazards of other involved materials. Prevent spillage and fire-fighting water from entering in public sewers or the immediate environment.

Suitable Extinguishing Media
Dry chemical, CO2, water spray or regular foam

Unsuitable Extinguishing Media
Not available

Special Protective Equipment for fire fighters
Self contained breathing apparatus.

Protective clothing
Protective gloves
Helmet

Specific Hazards Arising From The Chemical
Oxides of carbon and sulphur evolved in fire

Decomposition Temperature
Not available

6. ACCIDENTAL RELEASE MEASURES

7. HANDLING AND STORAGE

Precautions for Safe Handling
Avoid contact with skin and eyes

Conditions for safe storage, including any incompatibilities
Keep container tightly closed. Store in cool, well ventilated area. Protect from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values
No Exposure Limit Established

Appropriate Engineering Controls
Adequate ventilation to maintain air contaminants below exposure limits

Respiratory Protection
** Avoid breathing of vapours, mists or spray. Select and use respirators in accordance with AS/NZS 1715/1716. When mists or vapours exceed the exposure standards then the use of the following is recommended: Half face-piece respirator with organic vapour (Type A) and dust/mist (Type P1) filters. Filter capacity and respirator type depends on exposure levels.

Eye Protection
Safety goggles.

Hand Protection
Neoprene gloves (Protection against unintentional short-term contact) Nitrile gloves (Protection against unintentional short-term contact)

Body Protection
Protective clothing

Other Information
Prevent from entering in public sewers or the immediate environment

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
Liquid

Colour
Brown-black

Odour
Mild

Decomposition Temperature
Not available

Boiling Point
102 degrees Celsius

pH
pH (concentrated product) 9.6

Vapour Pressure
18 mm Hg

Vapour Density (Air=1)
< 1 (Air = 1)

Evaporation Rate
< 1 (Ether = 1)

Physical State
Liquid

Volatile Component
VOC 0 % (Calculated)

Partition Coefficient: n-octanol/water
Not available

Flash Point
>100 degrees Celsius P-M (CC)

Flammability
Not applicable

Auto-Ignition Temperature
Not applicable

Flammable Limits - Lower
Not available.

Flammable Limits - Upper
Not available.

Explosion Limit - Upper
Not available.

Explosion Limit - Lower
Not available.

Explosion Properties
Not available

Oxidising Properties
Not available

Relative density
1.12 @ 21 degrees Celsius

Melting/Freezing Point
Not available.

10. STABILITY AND REACTIVITY

Reactivity
Not available

Chemical Stability
Material is stable under normal conditions

Conditions to Avoid
Protect from freezing

Incompatible materials
Avoid contact with strong acids

Hazardous Decomposition Products
Oxides of carbon and sulphur evolved in fire

Possibility of hazardous reactions
Not applicable

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Product	Test results
CORTROL IS4990 (Mixture)	
	Acute Dermal LD50 Rabbit: > 2000 mg/kg (Calculated according to GHS additivity formula)
	Acute Oral LD50 Rat: > 2000 mg/kg (Calculated according to GHS additivity formula)

Components	Test results
Sodium hydroxide (1310-73-2)	
	Acute Dermal LD50 Rabbit: 1350 mg/kg Acute Oral LD50 Rabbit: > 500 mg/kg

Acute toxicity: Not classified.

Ingestion
May cause irritation of the gastrointestinal tract.

Inhalation
Prolonged or excessive inhalation may cause respiratory tract irritation.

Skin
Causes skin irritation.

Eye
Causes serious eye irritation.

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/irritation
Causes serious eye irritation

Respiratory sensitisation
Not classified

Skin Sensitisation
Not classified

Germ cell mutagenicity
Not classified

Carcinogenicity
Not classified

Reproductive Toxicity
Not classified

STOT-single exposure
Not classified

STOT-repeated exposure
Not classified

Aspiration Hazard
Not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available

Persistence and degradability
- COD (mgO2/g) 290

Mobility
Not available

Bioaccumulative Potential
Not available.

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

Bioconcentration factor (BCF) Not available.

Other Adverse Effects
Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal
Dispose of contents/container to be in compliance with local/regiional/national/international regulations

Container Disposal
Dispose of contents/container to be in compliance with local/regiional/national/international regulations

14. TRANSPORT INFORMATION

Transport Information
Not classified as a Dangerous Good for the purposes of road, rail, sea and air transport.

U.N. Number
None Allocated

UN proper shipping name
None Allocated

Transport hazard class(es)
None Allocated

15. REGULATORY INFORMATION

Regulatory information
All components are exempt or listed in the Australian Inventory of Chemical Substances and the New Zealand Inventory of Chemicals.

HSNO Approval Number
Group Standard - Corrosion Inhibitors - Subsidiary hazard HSR002549

16. OTHER INFORMATION

Other Information
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.

END OF SDS