

QWEMIKELP

ACCORDING TO US CFR 1910.1200

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name	QWEMIKELP
Trade Name	QWEMIKELP
Product Code	QWE SL/03
CAS No.	Not applicable.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Not known.
Uses Advised Against	Fertilizer

1.3 Details of the supplier of the safety data sheet**Manufacturer**

Company Identification	AECI Plant Health
Address of Manufacturer	14 Field Road, Lilianton Boksburg South-Africa
Zip code	1459
Telephone:	+27 11 823 8000
E-mail	Sandy.Sibiya@aeciworld.com
Office hours	08:00 - 17:00

Supplier

Company Identification	AECI Plant Health
Address of Supplier	14 Field Road, Lilianton Boksburg South-Africa
Zip code	1459
Telephone:	+27 11 823 8000
E-mail	Sandy.Sibiya@aeciworld.com
Office hours	08:00 - 17:00

1.4 Emergency telephone number

Emergency Phone No.	+27 82 600 0439
Contact	Sandy

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

US CFR 1910.1200	Not classified as dangerous for supply/use.
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2.2 Label elements

Product Name	According to US CFR 1910.1200 QWEMIKELP
Hazard Pictogram(s)	None.
Signal Word(s)	None.
Hazard Statement(s)	None.
Precautionary Statement(s)	P264: Wash hands and exposed skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product.

2.3 Other hazards

None known.

2.4 Additional information

None.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Potassium Nitrate	7757-79-1	<3%	Ox. Sol. 3 H272 Eye Irrit. 2B H320	GHS03
Boric Acid	10043-35-3	<3%	Repr. 1B H360	GHS08

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if you feel unwell.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation persists.
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation persists.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Prolonged exposure may cause respiratory irritation.

Skin contact: Prolonged contact may cause some irritation.

Eye contact: May cause irritation following contact.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media	SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray, fog or foam.
Unsuitable Extinguishing Media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

None anticipated. Heating may cause decomposition.

5.3 Advice for firefighters

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Be sure to use an approved/certified respirator or equivalent.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Splash goggles, gloves.

6.2 Environmental precautions

Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapours, if any. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

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6.3 Methods and material for containment and cleaning up

For small spills Contain spilled material if possible. Collect in suitable and properly labelled containers.

For large spills Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in well labelled container for disposal according to local regulations.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep container dry. Avoid contact with skin and eyes.

Protective measures: Observe directions on label and instructions for use.

Advice on general occupational hygiene: Do not eat drink or smoke when handling this product.

7.2 Conditions for safe storage, including any incompatibilities

Store product in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

Use as directed. Use original container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits None

8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation.

8.2.2. Personal protection equipment



Eye Protection

Use safety glasses. If there is a potential for exposure to particles/mist which could cause eye discomfort, wear chemical goggles.



Skin protection

Use chemical resistant gloves. Examples of preferred glove barrier materials include Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride..



Respiratory protection

Respiratory protection is required when ventilation is inadequate or discomfort is experienced; use an approved air-purifying respirator. Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Liquid.

Color :

Dark green.

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Odor	Characteristic odor.
Odor Threshold	Not known.
pH	5.0 – 5.5 (100%)
Melting Point/Freezing Point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation Rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapor pressure	Not known.
Vapor density	Not known.
Density (g/ml)	1.090-1.100 g/cm ³
Relative density	1.090-1.100 g/cm ³
Solubility(ies)	Solubility (Water) : Soluble in water. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidizing properties	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Low acute toxicity
Acute toxicity - Skin Contact	Low acute toxicity
Acute toxicity - Inhalation	Low acute toxicity
Skin corrosion/irritation	Non-irritant
Serious eye damage/irritation	Non-irritant
Skin sensitization data	Not classified
Respiratory sensitization data	Not classified
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	Not classified
Lactation	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified

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11.2 Other information

None

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose at suitable refuse site.

13.2 Additional Information

No special precautions are required for this product.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not known

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Toxic and hazardous substances (29 CFR 1910; Subpart Z)

National emission standards for hazardous air pollutants (40 CFR 61.01)

SARA Title III Section 313

TSCA (Toxic Substance Control Act) Listed : 64-19-7 (Active), 7664-41-7 (Active), 10043-35-3 (Active), 7758-98-7 (Active), 7720-78-7 (Active), 50-00-0 (Active), 7757-79-1 (Active), 1309-48-4 (Active), 1310-58-3 (Active), 57-55-6 (Active), 7631-95-0 (Active), 8029-43-4 (Active), 57-13-6 (Active), 1314-13-2 (Active), 7732-18-5 (Active)

CAA 602 - Ozone Depleting Substances (ODS)

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15.2 US State Regulations

State Right to Know Lists	
Proposition 65 (California)	Not listed
Massachusetts	Not listed
Minnesota	Not listed
New Jersey	Not listed
Pennsylvania	Not listed
Rhode Island	Not listed

15.3 Other

OSPAR List of Chemicals for Priority Action	Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives)	Not listed
NTP (National Toxicology Program)	Not listed
IARC (International Agency for Research on Cancer)	Not listed

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s) None.

Hazard Statement(s) H272: May intensify fire; oxidizer.
H360: May damage fertility or the unborn child.

Precautionary Statement(s) None.
Key literature references and sources US CFR 1910.1200
for data used to compile the SDS
Disclaimers

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