



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product Form : Liquid
Product Name : AQUAFIN®-F
Product Code : 0800000227
Type of Product : Neutralization agent
Product Group : Salt Treatment

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

1.2.1. Relevant identified Uses

Main use category : Professional Use
Industrial/Professional use spec : For professional use only

1.2.2. Use advised against

No additional information is available

1.3. Details of the supplier of the safety data sheet

AQUAFIN Pakistan (Pvt.) Ltd.
Steel House, West Wharf Road,
Karachi, 74000, Pakistan
T: +92 0330 8694794
info@aquafinpakistan.com www.aquafinpakistan.com

1.4. Emergency telephone number

Country	Organization/Company	Address	Emergency Number	Comment
N/A	N/A	N/A	N/A	N/A

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixture: SDS < 2015: Show CLP information only

Skin sensitization, Category 1A H314
Eye damage, Category 1 H318

Adverse physicochemical, human health and environmental effects

No additional information is available.

For full text of H-phrases see section 16.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP)



Single word (CLP) : GHS05
Hazard statements (CLP) : Danger.
Precautionary Statements (CLP) : H314 - Causes severe skin burns and eye damage.
: P260 Do not breathe dusts or mists.
: P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
: P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
: P405 Store locked up.
: P501 Dispose of cont

2.3. Other Hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixture

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Potassium silicate	(CAS No.) 1312-76-1	10.0-25.0	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335.
Kaliummethylsiliconat	(CAS No.) 31795-24-1	2.5-10.0	Skin Corr. 1A, H314;
Potassium hydroxide	(CAS No.) 1310-58-3	2.5-10.0	Acute Tox. 4, H302; Skin Corr. 1A, H314;
Aqua	(CAS No.) 7732-18-5	65.0-85.0	N/A

Full Text of H-statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : If you feel unwell, seek medical advice.
First-aid measures after skin contact : Rinse with water.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Rise mouth with water. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation : None under normal use.
Symptoms/injuries after skin contact : Contact during a long period may cause light irritation.
Symptoms/injuries after eye contact : Causes serious eye irritation.
Symptoms/injuries after ingestion : Gastrointestinal complaints.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information is available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, Powder, Foam, CO₂
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards as arising from the substance or mixture

Fire hazard : None.

5.3. Advice for firefighters

Explosion hazard : None.
Reactivity : Unknown.
Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous fighting water.
Protection during firefighting : Do not enter the fire area without proper protective equipment, including respiratory protection.
Other information : None known.
General measures : Isolate from fire, if possible, with unnecessary risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Protective goggles. Gloves. Protective clothing.
Emergency procedures : Evacuate unnecessary personnel. NO open flames, NO sparks, and NO smoking. Avoid contact with skin eyes and clothing. Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Equip the cleanup crew with proper protection.
Emergency procedures : Stop leaks if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public.

6.3. Methods and material for containment and cleaning up

For containment	: Contain released substance, pump into suitable containers.
Methods for cleaning up	: The material and its container must be disposed of in a safe way, and as per local legislation.
Other information	: Absorb the product onto porous material.

6.4. Reference to other sections

See headings 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes. Handle and open the container with care. Keep away from sources of ignition- No smoking.
Hygiene measures	: Wash thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible products	: Oxidizing agent, strong acids. Strong bases.
Incompatible materials	: Sources of ignition. Heat sources.
Storage area	: Meet the legal requirements. Store in a cool area. Store in a well-ventilated place.
Special rules on packaging	: Meet the legal requirements.

SECTION 8: Exposure controls/ personal protection

8.1. Control parameters

Not required.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information is available.

8.2.2 Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses. Protective coating.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Nitrile rubber gloves. Breakthrough time: > 480 Min, (EN 374). Layer thickness: 0,35 mm. Always wash your hands after handling the product

8.2.2.3. Respiratory protection

Respiratory protection:

Ensure adequate air ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Universal mask (ABEK)

8.2.2.4. Thermal hazards

No additional information is available.

8.2.3. Environmental exposure controls

No additional information is available.

SECTION 9: Physical and chemical properties

9.1. Information

Physical state	: Liquid.
Colour	: Clear.
Odour	: Characteristic.
Odour threshold	: No data available.
pH	: <12.4 @ 20°C
pH solution	: /.
Relative evaporation rate (butylacetate=1)	: No data available.
Melting point	: No data available.
Freezing point	: No data available.
Boiling point	: 100°C
Flashpoint	: /.
Auto-ignition temperature	: /.
Decomposition temperature	: No data available.
Flammability (solid, gas)	: Not applicable.
Vapour pressure	: No data available.
Relative vapour density at 20 °C	: No data available.

Relative density	: No data available.
Density	: 1.28 g/cm ³ @ 20°C
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available.
Viscosity, kinematic	: /.
Viscosity, dynamic	: 4 mPas @ 20°C
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Lower explosive limit (LEL)	: Not applicable.
Upper explosive limit (UEL)	: Not applicable.

9.1. Information

VOC content : /.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

10.2. Chemical stability

Extremely high or low temperatures.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

10.5. Incompatible materials

Keep away from (strong) acids. Oxidizing agents. Reducing Agents. Strong Base.

10.6. Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on toxicological effect

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: See Heading 3 (information on ingredients)

Potassium hydroxide (CAS No. 1310-58-3)

LD50 oral rat	>365 mg/kg body weight (Rat, Equivalent or similar to OCED 401; Experimental value)
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Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: /.
Serious eye damage/irritation	: Causes serious eye damage. pH: /.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May cause an allergic skin reaction.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology – general	: No data available.
Acute aquatic toxicity	: No data available.
Chronic aquatic toxicity	: No data available.

12.2. Persistence and degradability

Potassium hydroxide (CAS No. 1310-58-3)

Persistence and degradability	No relevant information available.
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12.3. Bioaccumulative potential

Potassium hydroxide (CAS No. 1310-58-3)

Biocumulative potential	No supplementary information available.
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12.4. Mobility in soil

Potassium hydroxide (CAS No. 1310-58-3)

Mobility in soil	No supplementary information available.
Ecology - soil	No supplementary information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

Additional information : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Comply with local regulations for disposal.
Waste treatment methods : Dispose of at a licensed site.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR

14.1. UN number

UN-No. (ADR) : UN1719

14.2. UN proper shipping name

Proper Shipping Name (ADR) : 1719 CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE)
Transport document description (ADR) : N/A

14.3. Transport hazard class(es)

ADR : 8
Transport hazard class(es) (ADR) : 8
Danger labels (ADR) : Warning: Corrosive substances



14.4. Packing Group

Packaging group (ADR) : II

14.5. Environmental hazards

Dangerous for the environment : Marine Pollutant, symbol (fish and tree).
Other information : Not classified

14.6. Special precautions for user

Special transport precautions : Warning: Miscellaneous dangerous substances and articles.

- Overland transport

Hazard identification number (Kemler No.) : 80

Tunnel restriction code (ADR) : E
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Directive 2012/18/EU

15.1.1. National Regulations

No additional information available.

15.2. Chemical safety assessment

No data available.

SECTION 16: Other information

Full text of H- and EUH- statements:

H302	Harmful if swallowed.
H314	Causes serious eye damage.
H315	Causes skin irritation
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
P260	Do not breathe dusts or mists.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of cont

Safety Data Sheet (MSDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not, therefore, be construed as guaranteeing any specific property of the product.