

SAFETY DATA SHEET

POTASSIUM CHLORIDE

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT NAME	POTASSIUM CHLORIDE
1.2 APPLICATION	Brine
1.3 SUPPLIER	Supplier : Abdullah Al-Khrinej Gen. Trad. & Cont. Co. W.L.L. Mangaf Block 1, Street 101 Al-Khrinej Building 23, Ground Floor PO Box: 47465 Fahaheel 64025 Kuwait Tel: (965) 23926509 (965) 97489456 E-Mail: info@agtc-kwt.com

2 HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Acute Oral Toxicity	Category 5 - H303
---------------------	-------------------

2.2 LABEL ELEMENT



Signal Word	Warning
Hazard Statement	H303 - May be harmful if swallowed
Precautionary Statement	
Prevention	None
Response	P312 - Call a POISON CENTER or doctor/physician if you feel unwell
Storage	None
Disposal	None

2.3 OTHER INFORMATION

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)
This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

SAFETY DATA SHEET

POTASSIUM CHLORIDE

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	Content	Classification
Potassium chloride	7447-40-7	60 - 100%	Acute Tox. 5 (H303)

4 FIRST-AID MEASURES

4.1 INHALATION

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

4.2 INGESTION

Do not induce vomiting. Give nothing by mouth. Obtain immediate medical attention

4.3 SKIN CONTACT

Wash with soap and water. Get medical attention if irritation persists.

4.4 EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Most important symptoms and effects, both acute and delayed

Causes eye irritation Causes mild skin irritation. May be harmful if swallowed

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically

5 FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

All standard fire fighting media

5.2 PROTECTIVE MEASURES IN FIRE

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel

6 ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS

Use appropriate protective equipment. Avoid contact with skin, eyes and clothing. Avoid creating and breathing dust. Ensure adequate ventilation

SAFETY DATA SHEET

POTASSIUM CHLORIDE

6.2 ENVIRONMENTAL PRECAUTIONS

Prevent from entering sewers, waterways, or low areas.

6.3 SPILL CLEAN UP METHODS

Scoop up and remove.

6.4 ADDITIONAL INFORMATION

Ref. Section 8 and 13

7 HANDLING AND STORAGE

7.1 USAGE PRECAUTIONS

Use appropriate protective equipment. Avoid contact with eyes, skin, or clothing. Avoid creating or inhaling dust. Ensure adequate ventilation. Wash hands after use. Launder contaminated clothing before reuse

7.2 STORAGE PRECAUTIONS

Store in a cool, dry location.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

8.1 PROTECTIVE EQUIPMENT



Safety Glasses



Disposable Dust
Mask



Work Gloves



Coverall

8.2 ENGINEERING MEASURES

Use in a well ventilated area

8.3 RESPIRATORY EQUIPMENT

Not normally needed. But if significant exposures are possible then the following respirator is recommended: Dust/mist respirator. (N95, P2/P3)

8.4 HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. Rubber or plastic.

8.5 EYE PROTECTION

Wear safety glasses or goggles to protect against exposure.

SAFETY DATA SHEET

POTASSIUM CHLORIDE

8.6 OTHER PROTECTION

None known

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE	Solid
9.2 COLOUR	White to grey
9.3 ODOUR	Odorless
9.4 SOLUBILITY	Soluble in water
9.5 MOLECULAR WEIGHT (g/mole)	74.55
9.7 SPECIFIC GRAVITY	1.99
9.8 pH	7

10 STABILITY AND REACTIVITY

10.1 STABILITY

Stable under normal temperature conditions and recommended use.

10.2 CONDITIONS TO AVOID

None

10.3 INCOMPATIBLE MATERIAL

None

10.4 HAZARDOUS DECOMPOSITION PRODUCTS

None

11 TOXICOLOGICAL INFORMATION

11.1 INHALATION

May cause mild respiratory irritation.

11.2 INGESTION

May be harmful if swallowed. Irritation of the mouth, throat, and stomach

11.3 SKIN CONTACT

Causes mild skin irritation.

11.4 EYE CONTACT

Causes eye irritation

SAFETY DATA SHEET

POTASSIUM CHLORIDE

11.5 TOXICOLOGICAL INFORMATION

Acute toxicity of product is low. The value of DL 50 mg/kg study with animals:

LD50 Oral - 3020 mg/kg, Rat

LD50 Dermal - > 2000 mg/L, Rabbit (similar substance)

LD50 Inhalation - No data available

Skin corrosion/irritation - Non-irritating to the skin (Rabbit) (similar substances)

Serious eye damage/irritation - May cause mild eye irritation. (Rabbit) (similar substances)

Skin Sensitization - Did not cause sensitization on laboratory animals (mouse) (similar substances)

Respiratory Sensitization - No information available

Mutagenic Effects - In vitro tests did not show mutagenic effects.

Carcinogenic Effects - Did not show carcinogenic effects in animal experiments (similar substances)

Reproductive toxicity - Animal testing did not show any effects on fertility. Did not show teratogenic animal experiments. (similar substances)

Aspiration hazard - Not applicable

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to Algae	Toxicity to Fish	Toxicity to Invertebrates	Toxicity to Microorganisms
EC50(72h): 2500 mg/l (Desmodesmussubspicatus)	LC50: 1060 mg/L (Lepomis macrochirus);	TLM96: 100-330 ppm (Crangon crangon)	EC50(3h): >1000 mg/L(activated sludge)
EC50(72h): > 100 mg/L (growth rate) (Desmodesmussubspicatus)	LC50: 750-1020 mg/L (Pimephales promelas)	EC50(24h): >= 580<=990 mg/L (Daphniamagna) EC50(48h): >=440 <=880 mg/L (Daphniamagna)	

13 DISPOSAL CONSIDERATIONS

13.1 DISPOSAL METHODS

Bury in a licensed landfill according to federal, state, and local regulations. Substance should NOT be deposited into a sewage facility.

Contaminated Packaging: Follow all applicable national or local regulations.

Contaminated packaging may be disposed of by: rendering packaging incapable of containing any substance, or treating packaging to remove residual contents, or treating packaging to make sure the residual contents are no longer hazardous, or by disposing of packaging into commercial waste collection.

14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) Not Regulated

15 REGULATORY INFORMATION

This SDS was prepared in accordance with United Nations "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)".

SAFETY DATA SHEET

POTASSIUM CHLORIDE

16 OTHER INFORMATION

16.1 GENERAL INFORMATION

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy; reliability; or completeness. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product.

16.2 REVISION DATE Not Applicable

16.4 ADDITIONAL INFORMATION

For any additional information on this product, contact Abdullah Al-Khrinej Gen. Trad. & Cont. Co. W.L.L. (AGTC) representative.

DISCLAIMER

While every effort has been made to accurately describe this product, some of the data are obtained from sources beyond our direct supervision. We cannot make any assertions as to its reliability or completeness; therefore, user may rely only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. Additional information will be furnished upon request to assist the user; however, no warranty, either expressed or implied, nor liability of any nature with respect to this product or to the data herein is made or incurred hereunder.

End of Safety Data Sheet