



Potassium Water Care

Safety Data Sheet

According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022) & According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)
Issue date: 05/29/2026 Version: 1.0

SECTION 1 Identification

1.1. GHS Product identifier

Product form	: Substance
Substance name	: Potassium Water Care
Substance type	: Mono-constituent
CAS-No.	: 7447-40-7
Formula	: ClK

1.2. Other means of identification

Synonyms	: Potassium chloride (KCl) / POTASSIUM CHLORIDE / Hydrochloric acid, potassium salt
Other means of identification	: K Life® Water Softener Crystals Nature's Own® Water Softener Cubes Sifto® Nature's Own® Water Softener Crystals

1.3. Recommended use of the chemical and restrictions on use

Recommended use	: Water Care Salt
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1.4. Supplier's details

Manufacturer	Distributor
Compass Minerals International 9900 West 109th Street, Suite 100 Overland Park, Kansas, 66210 US T 913-344-9200 customerserviceci@compassminerals.com	Compass Minerals Canada Corporation 6700 Century Avenue, Suite 202 Mississauga, Ontario, L5N 6A4 Canada T 905-567-0231

1.5. Emergency phone number

Emergency number	: (913) 344-9200
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SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA/US)

2.2. GHS label elements, including precautionary statements

The substance does not meet the criteria for classification.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Substance type	: Mono-constituent
Name	: Potassium Water Care
CAS-No.	: 7447-40-7

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Name	Chemical name / Synonyms	Product identifier	%
Potassium chloride	Potassium chloride (KCl) / POTASSIUM CHLORIDE / Hydrochloric acid, potassium salt	CAS-No.: 7447-40-7	100

3.2. Mixtures

Not applicable

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash skin with plenty of water. Obtain medical attention if irritation persists.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.
First-aid measures after ingestion	: Do not induce vomiting. If vomiting occurs have person lean forward. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.
First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible). Medical personnel should be made aware of substance(s) involved and take measures for self protection. Show this safety data sheet to the doctor in attendance. Avoid contact with skin and eyes. Keep out of the reach of children.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Dust may irritate the respiratory system.
Symptoms/effects after skin contact	: Prolonged or repeated contact may dry skin and cause irritation.
Symptoms/effects after eye contact	: Dust or powder may irritate the eyes.
Symptoms/effects after ingestion	: May cause stomach distress, nausea or vomiting.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Symptoms may be delayed. Treat symptomatically.
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SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Treat for surrounding material.
Unsuitable extinguishing media	: Do not use a water jet since it may cause the fire to spread.

5.2. Specific hazards arising from the chemical

Fire hazard	: During fire, gases hazardous to health may be formed. In case of fire or explosion do not breathe fumes.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: May include and are not limited to: Oxides of carbon.

5.3. Special protective actions for fire-fighters

Firefighting instructions	: In case of fire: Stop leak if safe to do so. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : In the event of a significant spillage : Notify authorities if product enters sewers or public waters. Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment : Stop leaks if it can be done without personal risk. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Clean contaminated surfaces with an excess of water. Minimize generation of dust.

Other information : This material and its container must be disposed of in a safe way, and as per local legislation.

For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust. Do not taste or swallow. Ensure good ventilation of the work station. Wear personal protective equipment. Handle and open container with care.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of reach of children. Store tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Packaging materials : Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

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.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection:

Wear protective gloves. Confirm with a reputable supplier first.

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Eye protection:

Wear eye protection

Skin and body protection:

Wear suitable protective clothing. As required by employer code.

Respiratory protection:

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Solid
Appearance	: Translucent. Crystals.
Color	: White
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Explosive properties	: Not explosive.
Oxidizing properties	: Not oxidising.
Explosion limits	: Not applicable
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Keep away from heat and direct sunlight. Do not mix with other chemicals.
Incompatible materials	: Strong oxidizing agents.
Hazardous decomposition products	: May include and are not limited to: Oxides of carbon.

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SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Potassium chloride (7447-40-7)	
LD50 oral rat	2600 mg/kg (Source: NLM_CIP)
ATE CA (oral)	2600 mg/kg body weight

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Potassium chloride (7447-40-7)	
NOAEL (chronic,oral,animal/male,2 years)	≈ 1820 mg/kg body weight Animal: rat, Animal sex: male

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

Potassium chloride (7447-40-7)	
NOAEL (oral,rat,90 days)	≈ 1820 mg/kg body weight Animal: rat, Animal sex: male

Aspiration hazard : Not classified
Likely routes of exposure : Skin and eye contact. Ingestion. Inhalation.
Symptoms/effects after inhalation : Dust may irritate the respiratory system.
Symptoms/effects after skin contact : Prolonged or repeated contact may dry skin and cause irritation.
Symptoms/effects after eye contact : Dust or powder may irritate the eyes.
Symptoms/effects after ingestion : May cause stomach distress, nausea or vomiting.

SECTION 12 Ecological information

12.1. Toxicity

Ecology - general : See below for route-specific details.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

Potassium chloride (7447-40-7)	
LC50 - Fish [1]	1060 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
LC50 - Fish [2]	750 – 1020 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
EC50 - Crustacea [1]	825 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 - Other aquatic organisms [1]	440 – 880 mg/l Test organisms (species): other:
EC50 - Other aquatic organisms [2]	580 – 670 mg/l Test organisms (species): other:
EC50 72h - Algae [1]	2500 mg/l (Species: Desmodesmus subspicatus)

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12.2. Persistence and degradability

Potassium Water Care (7447-40-7)	
Persistence and degradability	Rapidly degradable
Potassium chloride (7447-40-7)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: Yes

SECTION 13 Disposal considerations

Waste treatment methods	: Dispose of the material collected according to regulations.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: 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, disposal or collection.

SECTION 14 Transport information

In accordance with TDG / DOT

TDG	DOT
14.1. UN Number	
Not regulated	Not regulated
14.2. UN Proper Shipping Name	
Not regulated	Not regulated
14.3. Transport hazard class(es)	
Not regulated	Not regulated
14.4. Packing group, if applicable	
Not regulated	Not regulated
14.5. Environmental hazards	
Not regulated	Not regulated
No supplementary information available	

14.6. Special precautions for user

TDG
Not regulated

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DOT
Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/789(^9) and the IBC Code(^10)

Not applicable

SECTION 15 Regulatory information

All components of this product are present on DSL

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other Information

Issue date : 05/29/2026

Other information : For an updated SDS, please contact the supplier or manufacturer listed on the first page of the document.

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