



Qrop KS

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 3/15/2023 Revision date: 3/16/2023 Supersedes: 12/20/2022 Version: 2.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Qrop KS
Product code : 218_USA
Other means of identification : Qrop KS
Qrop KN

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Industrial uses: Uses of substances as such or in preparations at industrial sites
Fertilizers
Restrictions on use : Food/feedstuff additives, Water treatment chemicals, Production of liquid fertilizers

1.3. Supplier

Supplier

SQM North America
2727 Paces Ferry Rd, Building Two, Suite 1425
Atlanta, GA 30339
United States
T (770) 916 9400 - F (700) 916 9404
product_safety@sqm.com; spn-northamerica@sqm.com; - www.sqm.com/sqmnutrition.com
product_safety@sqm.com

1.4. Emergency telephone number

Emergency number : For Chemical Emergency Call CHEMTREC 24hr/day 7days/week
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-741-5970
(collect calls accepted)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : None.

2.4. Unknown acute toxicity (GHS US)

No additional information available

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	: Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
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	: Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: Irritation of the respiratory tract. Thermal decomposition can lead to the release of irritating gases and vapors. Delayed adverse effects possible.
Symptoms/effects after skin contact	: May cause moderate irritation.
Symptoms/effects after eye contact	: May cause slight irritation.
Symptoms/effects after ingestion	: May cause stomach cramps and vomiting.

4.3. Immediate medical attention and special treatment, if necessary

Place under medical observation. Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: use any suitable mean for extinguishing surrounding fire. Spray water for small fires. For large fires flood with abundant water.
Unsuitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.

5.2. Specific hazards arising from the chemical

Fire hazard	: Non flammable. Non oxidizing material.
Reactivity in case of fire	: thermal decomposition may produce : Nitrogen oxides. Potassium oxides. potassium nitrite.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire	: Do not approach fire except upwind and only with proper skin and respiratory protection (supplied air only).
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

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not allow into drains or water courses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Perchlorate containing product - Special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate and section 15 for more information regarding California State regulations.

Precautions for safe handling : Avoid dust formation. Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Containers which are opened should be properly resealed and kept upright to prevent leakage.

Storage conditions : Keep only in original container. Store in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA	Not established
ACGIH OEL Ceiling	Not established

USA - OSHA - Occupational Exposure Limits

OSHA PEL (STEL) [1]	Not established
OSHA PEL (Ceiling)	Not established

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8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Local exhaust is recommended where dust may occur.
- Environmental exposure controls : Do not allow to enter drains or water courses.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Nitrile-rubber protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Granulate.
- Color : pink
- Odor : odorless
- Odor threshold : Not applicable
- pH : (No data available specific to the product)
- Melting point : 335 °C / 635°F (Published data)
- Freezing point : Not applicable
- Boiling point : Not applicable
- Flash point : Not applicable
- Relative evaporation rate (butyl acetate=1) : (No data available specific to the product)
- Flammability (solid, gas) : Non flammable.
- Vapor pressure : Negligible vapor pressure at ambient conditions
- Vapor pressure at 50°C : Not applicable
- Relative vapor density at 20°C : Not applicable
- Relative density : Not applicable
- Solubility : Water: > 100 g/l 25°C / 77°F
- Partition coefficient n-octanol/water (Log Pow) : Not applicable
- Auto-ignition temperature : Not applicable
- Decomposition temperature : (No data available specific to the product)
- Viscosity, kinematic : Not applicable
- Viscosity, dynamic : Not applicable

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Explosion limits	: Not applicable Not applicable Lower explosion limit: Not applicable
Explosive properties	: Not explosive.
Oxidizing properties	: Non oxidizing material. Test O.1 Test for oxidizing solids. Test O.3 Gravimetric test for oxidizing solids.

9.2. Other information

Bulk density	: 1260 – 1330 kg/m ³
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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with : hot surfaces. flames or sparks. Ignition sources. Production of liquid fertilizers.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Thermal decomposition can lead to the release of irritating gases and vapors. Thermal decomposition generates : Nitrogen oxides. Potassium oxides. potassium nitrite.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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LD50 oral rat	> 2000 mg/kg body weight (OECD 405 method)
LD50 dermal rat	> 5000 mg/kg body weight (OECD 402 method)
Skin corrosion/irritation	: Not classified pH: (No data available specific to the product)
Serious eye damage/irritation	: Not classified pH: (No data available specific to the product)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified (No mutagenic effect. Reverse Mutation Assays. (OECD 479 method))
Carcinogenicity	: Not classified (No carcinogenic effect)
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IARC group	Not listed

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National Toxicology Program (NTP) Status : Not listed

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

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NOAEL (subacute,oral,animal/male,28 days) : 1500 mg/kg body weight (OECD 422 method)

NOAEL (subacute,oral,animal/female,28 days) : 1500 mg/kg body weight

Aspiration hazard : Not classified

Viscosity, kinematic : Not applicable

Likely routes of exposure : Inhalation. Skin and eye contact.

Symptoms/effects after inhalation : Irritation of the respiratory tract. Thermal decomposition can lead to the release of irritating gases and vapors. Delayed adverse effects possible.

Symptoms/effects after skin contact : May cause moderate irritation.

Symptoms/effects after eye contact : May cause slight irritation.

Symptoms/effects after ingestion : May cause stomach cramps and vomiting.

Other information : This product contains trace amounts of naturally-occurring perchlorate and iodate. Like other goitrogenic substances, perchlorate may affect iodine uptake by thyroid under specific conditions.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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LC50 - Fish [1] : 1336 mg/l

EC50 - Crustacea [1] : 489 mg/l

EC50 - Other aquatic organisms [1] : > 1100 mg/l algae

NOEC chronic fish : 58 mg/l

NOEC chronic algae : 1700 mg/l

12.2. Persistence and degradability

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Persistence and degradability : Contains no substances known to be hazardous to the environment.

12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow) : Not applicable

Partition coefficient n-octanol/water (Log Kow) : Not applicable

Bioaccumulative potential : Low bioaccumulation potential. Information on basic physical and chemical properties.

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12.4. Mobility in soil

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Ecology - soil	Expected to be highly mobile in soil.
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12.5. Other adverse effects

Other adverse effects :
Other information : May cause eutrophication at very low concentration.

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : U.S. - RCRA (Resource Conservation Recovery Act) - List for Hazardous Constituents.
Waste treatment methods : Gather the product and place it in a spare container that has been suitably labeled. This material and its container must be disposed of as hazardous waste.
Product/Packaging disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Perchlorate containing product - Special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate and section 15 for more information regarding California State regulations.
Ecology - waste materials : Do not allow to enter drains or water courses.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable
Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not applicable

TDG
Transport hazard class(es) (TDG) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

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14.5. Environmental hazards

Other information : None.

14.6. Special precautions for user

Special transport precautions : Not applicable

DOT

No data available

TDG

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IBC code : Not applicable.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory
Contains a Chemical of Interest according to DHS (Department of Homeland Security) United States - Chemical of Interest (Appendix A to 6CFR part 27)

15.2. International regulations

CANADA

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Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

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Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)- Directive 79/831/EEC, sixth Amendment of Directive 67/548/EEC (dangerous substances)

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National regulations

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Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

15.3. US State regulations

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U.S. - California - Proposition 65 - Other information	California Code of Regulations Title 22 (Health & Safety Code), Chapter 33 : See http://www.dtsc.ca.gov/hazardouswaste/perchlorate/
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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

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Revision date : 3/16/2023
Data sources : REACH registrations. Information in this safety data sheet is based on actual knowledge in our possession and our experience.

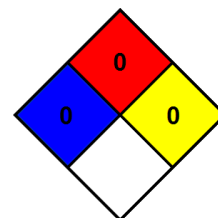
NFPA 704/2017

NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.

NFPA specific hazard : NFPA specific hazard



Indication of changes:

Section	Changed item	Change	Comments
1	Restrictions on use	Modified	No additional information available
7.2	Storage conditions	Modified	No additional information available
10	Conditions to avoid	Modified	No additional information available

Safety Data Sheet (SDS), USA

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