



Qrop Complex Top K 12-6-24

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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Version: 2.0

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

1.1. Product identifier

Product form : Mixture
Trade name : Qrop Complex Top K 12-6-24
Product code : 01229_148_EUR
Type of product : Fertilisers
Product group : Blend

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

1.2.1. Relevant identified uses

Main use category : Agriculture, forestry, fishery, Fertilizer, Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
Industrial/Professional use spec : Fertilizers
Formulation of preparations
For professional use only
Use of the substance/mixture : Fertilizers
Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
Function or use category : Fertilisers

1.2.2. Uses advised against

Restrictions on use : None known

1.3. Details of the supplier of the safety data sheet

Supplier

SQM Iberian S.A.
C / Provença, 251 Principal 1°
08008 Barcelona - España
T +34 934 877 806 - F + 34 902 412 459
product_safety@sqm.com - www.sqm.com

1.4. Emergency telephone number

Emergency number : For Chemical Emergency Call CHEMTREC 24hr/day 7days/week: +1 703-741-5970 (collect calls accepted)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium bis(dihydrogen orthophosphate)	(CAS-No.) 7758-23-8 (EC-No.) 231-837-1 (EC Index-No.) 231-837-1	5 - 10	Eye Dam. 1, H318
Ammonium Nitrate	(CAS-No.) 6484-52-2 (EC-No.) 229-347-8 (REACH-no) 01-2119490981-27	1 - 5	Ox. Sol. 3, H272 Eye Irrit. 2, H319

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Ammonium Nitrate	(CAS-No.) 6484-52-2 (EC-No.) 229-347-8 (REACH-no) 01-2119490981-27	(70 =<C < 100) Ox. Sol. 3, H272 (80 =<C < 100) Eye Irrit. 2, H319

Comments : Hazard classification of this material is based on the worst possible case

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Call a poison center or a doctor if you feel unwell. In all cases of doubt, or when symptoms persist, seek medical 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.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Drink plenty of water as a precaution. Call a poison center or a doctor if you feel unwell.

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

- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/effects after inhalation : Under normal conditions of use, no adverse effects to health have been observed.
- Symptoms/effects after skin contact : May cause skin irritation.
- Symptoms/effects after eye contact : May cause eye irritation.
- Symptoms/effects after ingestion : May cause irritation to the digestive tract.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. use any suitable mean for extinguishing surrounding fire. Spray water for small fires. For large fires flood with abundant water.
- Unsuitable extinguishing media : None known. Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not classified as flammable according to EC criteria, but may present a risk in the event of a fire.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : No open flames. No smoking.

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area.

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

Notify authorities if product enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.
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

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Reducing agents, Flammable or combustible materials. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use.
Incompatible materials : Flammable or combustible materials. Reducing agents. Strong acids.
Information on mixed storage : Do not store with: combustible materials.

7.3. Specific end use(s)

Fertilizers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

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

Environmental exposure controls:

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Pellet.
Colour : Green.
Odour : slight.
Odour threshold : No data available
pH : 4.9 (10%)
Relative evaporation rate (butylacetate=1) : No data available
Melting point : Decomposes before melting
Freezing point : Not applicable
Boiling point : Decomposes before boiling
Flash point : Not applicable
Auto-ignition temperature : Not applicable
Decomposition temperature : > 130 °C (Dependent on composition)

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Flammability (solid, gas)	: Not applicable
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density	: 1 - 1.1
Solubility	: Soluble in water.
Log Pow	: Not applicable
Log Kow	: Not applicable
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing material according to EC criteria.
Explosive limits	: Not applicable

9.2. Other information

Additional information : None

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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with flames or sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Combustible under specific conditions. Flammable materials. Reducing agents. Strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Nitrogen oxides. Nitrites. Phosphorus oxides. Potassium oxide. Sulphur oxides.

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

Ammonium nitrate (6484-52-2)	
LD50 oral rat	2950 mg/kg bodyweight (OECD 401 method)
LD50 dermal rat	> 5000 mg/kg bodyweight (OECD 402 method)
LC50 inhalation rat (mg/l)	> 88.8 mg/l

Calcium bis(dihydrogen orthophosphate) (7758-23-8)	
LD50 oral rat	3986 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
LD50 dermal rabbit	> 2 g/kg
LC50 inhalation rat (mg/l)	2600 g/m ³

Skin corrosion/irritation	: Not classified pH: 4.9 (10%)
Serious eye damage/irritation	: Not classified pH: 4.9 (10%)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

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STOT-repeated exposure : Not classified

Ammonium nitrate (6484-52-2)	
LOAEL (oral, rat, 90 days)	1500 mg/kg bodyweight/day

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

Ammonium nitrate (6484-52-2)	
LC50 fish 1	447 mg/l Cyprinus carpio (Common carp)
EC50 Daphnia 1	490 mg/l Daphnia magna
ErC50 (algae)	1700 mg/l Benthic diatoms

12.2. Not persistent

Qrop Complex Top K 12-6-24	
Not persistent	Not persistent.

12.3. Bioaccumulative potential

Qrop Complex Top K 12-6-24	
Log Pow	Not applicable
Log Kow	Not applicable
Bioaccumulative potential	Not potentially bioaccumulable.

Ammonium nitrate (6484-52-2)	
BCF fish 1	Bioaccumulation unlikely
Log Pow	-3.1
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

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Ecology - soil	Expected to be highly mobile in soil.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : May cause eutrophication at very low concentration

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Do not allow into drains or water courses.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not regulated	Not regulated	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not regulated	Not regulated	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not regulated	Not regulated	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not regulated	Not regulated	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not regulated	Not regulated	Not applicable	Not applicable
None				

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14.6. Special precautions for user

Special transport precautions : None known

- Overland transport

Not applicable

- Transport by sea

Not regulated

- Air transport

Not regulated

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

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

IBC code : 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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the Canadian DSL (Domestic Substances List)

Not subject to reporting requirements of the United States SARA Section 313

Listed on ELINCS (European List of Notified Chemical Substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
1	Relevant identified uses of the substance or mixture and uses advised against	Amendment	
1.1	Product code	Added	
1.3	Supplier information	Amendment	
1.4	Emergency number	Modified	
2	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
3.2	Composition/information on ingredients	Amendment	
4	First-aid measures general	Amendment	
5	Extinguishing media	Amendment	
6	Accidental release measures	Amendment	
7	Storage conditions	Amendment	
9	Information on basic physical and chemical properties	Added	
10	Hazardous decomposition products	Added	
13	Regional legislation	Added	
	General information	Printed by ExESS software	

Data sources : That information is based on our current knowledge and experience.

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Full text of H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Ox. Sol. 3	Oxidising Solids, Category 3
H272	May intensify fire; oxidiser.
H318	Causes serious eye damage
H319	Causes serious eye irritation.
EUH210	Safety data sheet available on request.

SDS EU (REACH Annex II)

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