

SECTION 1: Identification

1.1. Identification

Product form : Mixtures
Trade name : KSC TimaCAL
Name : KSC TimaCAL
Product code : SALE12

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

No additional information available

1.3. Details of the supplier of the safety data sheet

Distributor

TIMAC Agro USA, INC
P.O. Box 888 - Route 724 & I-176
READING, - USA
T 1-800-545-5474
info-fds@roullier.com

Manufacturer

TIMAC Agro España S.A.
Polígono de Arazuri-Orcoyen, calle C, nº32
ORCOYEN (NAVARRA), 31160 - España
T +34 948 324 500 - F +34 948 324 032
info-fds@timacagro.es - www.timacagro.es

1.4. Emergency telephone number

Emergency number : USA POISON CONTROL : 1-800-222-1222

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Serious eye H319
damage/eye irritation,
Category 2A

Full text of H statements : see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H319 - Causes serious eye irritation
Precautionary statements (GHS-US) : P280 - Wear face shield, protective clothing, protective gloves
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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Name	Product identifier	%	GHS-US classification
Calcium chloride (CaCl ₂)	(CAS No) 10043-52-4	40.2	Eye Irrit. 2A, H319
1,2-Benzisothiazol-3(2H)-one	(CAS No) 2634-33-5	0.015	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317

Full text of hazard classes and 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 : Remove the victim into fresh air. If you feel unwell, seek medical advice.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If on skin and if skin irritation occurs, seek medical advice and attention.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.
- First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Get medical advice/attention if you feel unwell.

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

- Symptoms/injuries : (see section(s) : 2.1/2.3).

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

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media : All extinguishing media allowed. Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not flammable.
- Explosion hazard : Not explosive.
- Reactivity : Reacts with : strong oxidants and strong acids.

5.3. Advice for firefighters

- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.
- Other information : Do not allow run-off from fire fighting to enter drains or water courses. Relevant water authorities should be notified of any large spillage to water course or drain.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Evacuate area.

6.1.1. For non-emergency personnel

- Emergency procedures : Do not get in eyes, on skin, or on clothing. Do not breathe vapours. Evacuate unnecessary personnel. Mark the danger area. Ventilate spillage area. Keep upwind. Only qualified personnel equipped with suitable protective equipment may intervene.

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".
- Emergency procedures : Stop leak if safe to do so.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Pump up the product into a suitably labelled spare container. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

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Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Do not breathe vapours. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible products : Strong acids. Strong oxidizing agents.

Incompatible materials : Refer to section 10 on incompatible materials.

Storage temperature : 4 - 30 °C

Prohibitions on mixed storage : Keep away from food, drink and animal feeding stuffs.

Storage area : Store at ambient temperature. Keep out of frost. Store away from heat/moisture. Store in a dry area. Store in a well-ventilated place.

Special rules on packaging : Keep only in original container. Store in a closed container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Calcium chloride (CaCl₂) (10043-52-4)

ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ inhalable dust
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Not applicable

1,2-Benzisothiazol-3(2H)-one (2634-33-5)

Not applicable

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation.

Personal protective equipment : Safety glasses. Gloves.



Materials for protective clothing : Wear suitable protective clothing.

Hand protection : protective gloves.

Eye protection : Safety glasses.

Skin and body protection : Skin protection appropriate to the conditions of use should be provided.

Respiratory protection : Do not breathe aerosol. In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : brown

Odour : characteristic

Odour threshold : No data available

pH : 4.3 - 6.3

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

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Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.33 kg/l
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available.
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with : strong oxidants and strong acids.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat. Direct sunlight. Moisture. Gel.

10.5. Incompatible materials

Strong acids. Oxidation agents.

10.6. Hazardous decomposition products

Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified
(Based on available data, the classification criteria are not met)

KSC TimaCAL	
Additional information	No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation
Calcium chloride (CaCl ₂) (10043-52-4)	
LD50 oral rat	2301 mg/kg bodyweight (OECD 401 method)
LD50 dermal rabbit	5000 mg/kg
ATE US (oral)	2301.000 mg/kg bodyweight
Additional information	Safety Data Sheet Supplier
1,2-Benzisothiazol-3(2H)-one (2634-33-5)	
ATE US (oral)	500.000 mg/kg bodyweight

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Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met. No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation) pH: 4.3 - 6.3
Serious eye damage/irritation	: Causes serious eye irritation. (No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation) pH: 4.3 - 6.3
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met. No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met. No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation)No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met. No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met. No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation)No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)

KSC TimaCAL

Additional information	No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation
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Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
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KSC TimaCAL

Additional information	No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation
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Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met. No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation)
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Based on available data, the classification criteria are not met. No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.
Ecology - water	: Do not allow large quantities, as are, to spread into the environment. Do not discharge into drains or rivers.

Calcium chloride (CaCl₂) (10043-52-4)

LC50 fish 1	96h 4630 mg/l Pimephales promelas
EC50 Daphnia 1	2400 mg/l (OECD 202 method)
LC50 fish 2	24h> 6660 ml/l Pimephales promelas

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Calcium chloride (CaCl ₂) (10043-52-4)	
EC50 Daphnia 2	21d 610 mg/l (According to OECD method)
Additional ecotoxicological information	Data sources : Safety Data Sheet Supplier

12.2. Persistence and degradability

KSC TimaCAL	
Persistence and degradability	Not established.

Calcium chloride (CaCl ₂) (10043-52-4)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

KSC TimaCAL	
Bioaccumulative potential	Bioaccumulation unlikely. No studies of longer duration have been conducted at this time.

Calcium chloride (CaCl ₂) (10043-52-4)	
Log Pow	Not applicable
Log Kow	Not applicable
Bioaccumulative potential	There is no bioaccumulation. Data sources : Safety Data Sheet Supplier.

12.4. Mobility in soil

KSC TimaCAL	
Ecology - soil	No studies of longer duration have been conducted at this time.

Calcium chloride (CaCl ₂) (10043-52-4)	
Ecology - soil	Material highly soluble in water.

12.5. Other adverse effects

Other adverse effects	: May cause eutrophication at very low concentration.
Effect on the global warming	: No known effects from this product.
GWPMix comment	: No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of in accordance with relevant local regulations. Remove to an authorized waste treatment plant.
Sewage disposal recommendations	: Do not allow to enter drains or water courses.
Waste disposal recommendations	: Do not allow to enter drains or water courses. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Other information : No supplementary information available.

Transportation of Dangerous Goods

Transport by sea

Air transport

SECTION 15: Regulatory information

15.1. US Federal regulations

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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not 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.

15.2. International regulations

CANADA

Calcium chloride (CaCl₂) (10043-52-4)

WHMIS Classification Class D Division 2 Subdivision B - Toxic material causing other toxic effects

1,2-Benzisothiazol-3(2H)-one (2634-33-5)

WHMIS Classification Class D Division 2 Subdivision B - Toxic material causing other toxic effects

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

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

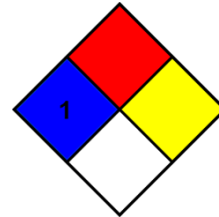
SECTION 16: Other information

Data sources : Section 1.2, 8.1, 11 & 12 are based on components' Chemical Safety Report and/or datas from components' supplier.

Full text of H-statements:

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

SDS US (GHS HazCom 2012)

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