

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

1.1. Product identifier

Product form : Mixtures
Product name : PinKstart
Product code : PINKSTART
Type of product : Fertilizer
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use
Function or use category : Fertilisers

Title	Use descriptors
Professional use : Fertilizer (Source : Chemical safety report)	SU1, SU21, SU22, PC12, PROC2, PROC3, PROC4, PROC5, PROC8b, PROC9, PROC19, ERC8b, ERC8e, ERC9b

Full text of use descriptors : see section 16.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Distributor

TIMAC AGRO UK Ltd
3, Warwick Road
CV1 2DY COVENTRY - UNITED KINGDOM
T +44 (0) 24 7624 3639
info-fds@roullier.com

Manufacturer

TIMAC Agro France
27 avenue Franklin Roosevelt
35408 Saint-Malo cedex - FRANCE
T +33 2 99 20 65 20
info-fds@roullier.com - www.roullier.com

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
Europe/Middle-East/Africa	3E		+1-760-476-3961 (Access code : 333021)	(24/7)
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, H318
Category 1

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger

Hazardous ingredients : Reaction mass of calcium bis (dihydrogenorthophosphate) and calcium hydrogenorthophosphate

Hazard statements (CLP) : H318 - Causes serious eye damage

Pinkstart

Safety Data Sheet

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

Precautionary statements (CLP) : P280 - Wear eye protection
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor/physician

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Reaction mass of calcium bis (dihydrogenorthophosphate) and calcium hydrogenorthophosphate	(EC-No.) 914-172-8 (REACH-no) 01-2119686864-19	>= 3	Eye Dam. 1, H318

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Prompt treatment is essential to minimize damage.
First-aid measures after inhalation : Move to fresh air in case of accidental inhalation. Seek medical attention if ill effect develops.
First-aid measures after skin contact : Wash with water and soap as a precaution. If case of redness or irritation, call a doctor.
First-aid measures after eye contact : Wash immediately with plenty water (during 20 minutes), also under eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist immediately, even if there are no immediate symptoms. If possible show him this sheet. Failing this, show him the packaging or label.
First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting without medical advice. If swallowed, seek medical advice immediately and show this container or label.

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

Symptoms/effects : (see section(s) : 2.1/2.3).

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

No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : water, carbon dioxide (CO₂), powder and foam. 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. Non oxidizing material according to EC criteria.
Hazardous decomposition products in case of fire : On thermal decomposition (pyrolysis), releases : Sulphur oxides. Ammonia. Phosphorus oxides.

5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Complete protective clothing. EN 469. Self-contained breathing apparatus.
Other information : Do not allow run-off from fire fighting to enter drains or water courses.

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 dust. Evacuate unnecessary personnel. Mark the danger area. Mechanically ventilate the spillage area. Keep upwind. Only qualified personnel equipped with suitable protective equipment may intervene.

Pinkstart

Safety Data Sheet

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

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 : Ventilate area. Stop leak if safe to do so. Dike and contain spill.

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 : Collect spillage.
- Methods for cleaning up : Clean up immediately by sweeping or vacuum. Minimize generation of dust. Collect up the product and place it in a spare container suitably labelled.
- 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 : Ensure good ventilation of the work station. Do not breathe dust. Use personal protective equipment as required. Avoid contact with eyes. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
- 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. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : The floor of the depot should be impermeable and designed to form a water-tight basin. Comply with applicable regulations.
- Storage conditions : Store in dry protected location to prevent any moisture contact.
- Incompatible products : Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity.
- Storage temperature : Store at ambient temperature
- Information on mixed storage : Keep away from food, drink and animal feeding stuffs.
- Special rules on packaging : Keep only in original container.

7.3. Specific end use(s)

(see section(s) : 1.2. Relevant identified uses of the substance or mixture and uses advised against).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

PinKstart	
DNEL/DMEL (Workers)	
Long-term - systemic effects, inhalation	4,07 mg/m ³ Reaction mass of calcium bis(dihydrogenorthophosphate) and calcium hydrogenorthophosphate
DNEL/DMEL (General population)	
Long-term - systemic effects, inhalation	3,04 mg/m ³ Reaction mass of calcium bis(dihydrogenorthophosphate) and calcium hydrogenorthophosphate
PNEC (STP)	
PNEC sewage treatment plant	50 mg/l Reaction mass of calcium bis(dihydrogenorthophosphate) and calcium hydrogenorthophosphate

- Source : Components Chemical Safety Report
- Additional information : Safety Data Sheet Supplier

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Local exhaust and general ventilation must be adequate to meet exposure standards.

Hand protection:

In case of repeated or prolonged contact wear gloves. (according to standard EN 374)

Eye protection:

Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product. EN 166

Skin and body protection:

Pinkstart

Safety Data Sheet

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

Skin protection appropriate to the conditions of use should be provided

Respiratory protection:

Where excessive dust may result, wear approved mask. Dust / anti-aerosol filter type P2 (according to standard EN 143)

Environmental exposure controls:

Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Assure that emissions are compliant with all applicable air pollution control regulations. Comply with applicable regulations.

Other information:

See Heading 7 : 7.1. Precautions for safe handling.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: White-pinkish.
Odour	: Odourless.
Odour threshold	: Not applicable
pH	: No data available
pH solution	: 5 - 8 - pH value in distilled water
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: > 133 °C
Freezing point	: No data available
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: Not determined
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 800 kg/m³
Solubility	: Water: Soluble
Log Pow	: Not applicable
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: In case of excessive dust production : Dust may form flammable and explosive mixture with air.
Oxidising properties	: Non oxidizing material according to EC criteria.
Explosive limits	: Not determined

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition generates : Sulphur oxides. Phosphorus oxides. Gaseous ammonia.

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

Heat.

10.5. Incompatible materials

Alkalis. Strong acids.

10.6. Hazardous decomposition products

In case of fire: See Heading 5.

Pinkstart

Safety Data Sheet

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Reaction mass of calcium bis (dihydrogenorthophosphate) and calcium hydrogenorthophosphate	
LD50 oral rat	> 2000 mg/kg (OECD 420 method)
LD50 dermal rat	> 2000 mg/kg EPA OPPTS 870.1200
LC50 inhalation rat (mg/l)	> 2,6 mg/l/4h (OECD 403 method)

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Contact during a long period may cause light irritation / Dermatitis
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
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 Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure
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
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
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
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
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
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
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

Reaction mass of calcium bis (dihydrogenorthophosphate) and calcium hydrogenorthophosphate	
NOAEL (oral, rat)	> 500 mg/kg bodyweight
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
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
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
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

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: 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. Do not allow uncontrolled discharge of product into the environment.
-------------------	--

Reaction mass of calcium bis (dihydrogenorthophosphate) and calcium hydrogenorthophosphate	
LC50 fish 1	> 100 mg/l 96h (Onchynchus mykiss)
EC50 Daphnia 1	> 100 mg/l 48h
ErC50 (algae)	> 100 mg/l 72h (Desmodesmus subpicatus)
Data sources	Chemical safety report

12.2. Persistence and degradability

PinKstart	
Persistence and degradability	Not established.
Reaction mass of calcium bis (dihydrogenorthophosphate) and calcium hydrogenorthophosphate	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

PinKstart	
Log Pow	Not applicable

PinKstart

Safety Data Sheet

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

Reaction mass of calcium bis (dihydrogenorthophosphate) and calcium hydrogenorthophosphate	
Log Pow	Not applicable
Bioaccumulative potential	Bioaccumulation unlikely.

12.4. Mobility in soil

PinKstart	
Ecology - soil	The main components of the mixture are completely soluble in water.
Reaction mass of calcium bis (dihydrogenorthophosphate) and calcium hydrogenorthophosphate	
Mobility in soil	No data available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Dispose of in accordance with relevant local regulations.
Waste treatment methods	: Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Remove to an authorized waste treatment plant.
Product/Packaging disposal recommendations	: Refer to manufacturer or supplier for information on recovery or recycling.
Additional information	: Unused amounts of the product must be considered to be dangerous waste products.
European List of Waste (LoW) code	: 02 01 08* - agrochemical waste containing dangerous substances

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

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

Not applicable

Pinkstart

Safety Data Sheet

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

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

Other information, restriction and prohibition regulations : All the constituents of this preparation are registered in the EINECS inventory or in the ELINCS list.

15.1.2. National regulations

Ensure all national/local regulations are observed

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out

Reaction mass of calcium bis (dihydrogenorthophosphate) and calcium hydrogenorthophosphate

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
9.1		Modified	
11	Additional information	Added	

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- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H318	Causes serious eye damage
ERC8b	Wide dispersive indoor use of reactive substances in open systems
ERC8e	Wide dispersive outdoor use of reactive substances in open systems
ERC9b	Wide dispersive outdoor use of substances in closed systems
PC12	Fertilizers
PROC19	Hand-mixing with intimate contact and only PPE available
PROC2	Use in closed, continuous process with occasional controlled exposure
PROC3	Use in closed batch process (synthesis or formulation)
PROC4	Use in batch and other process (synthesis) where opportunity for exposure arises
PROC5	Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
PROC8b	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
PROC9	Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
SU1	Agriculture, forestry, fishery
SU21	Consumer uses: Private households (= general public = consumers)
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SDS EU (REACH Annex II)

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