

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Fertilizer
Trade name : FERTIACTYL STARTER
Name : FERTIACTYL STARTER
Product code : AAEDS1
Product group : Mixture

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
Use of the substance/mixture : Fertilizer

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet**Supplier**

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
31160 ORCOYEN (NAVARRA) - 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 Center: 1-800-222-1222 Americas : +1-760-476-3962 (Access code : 333021) - Europe/Middle-East/Africa : +1-760-476-3961 (Access code : 333021)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazardous ingredients : potassium hydroxide, caustic potash
Precautionary statements (CLP) : P102 - Keep out of reach of children
P270 - Do not eat, drink or smoke when using this product

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

Not applicable

3.2. Mixture

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

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).

FERTIACTYL STARTER

Safety Data Sheet

according to Regulation (EC) No. 453/2010

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. If eye irritation persists: Get medical advice/attention.
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

No additional information available

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	: All extinguishing agents can be used.
Unsuitable extinguishing media	: None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Non combustible. By thermal decomposition, product may emit oxides of sulfur, phosphorus oxides (eg P2O5), corrosive and toxic, ammonia.
Explosion hazard	: Explosive Not classified.
Reactivity in case of fire	: Reacts vigorously with strong oxidizers and acids.
Hazardous decomposition products in case of fire	: Nitrous fumes. Carbon dioxide.

5.3. Advice for firefighters

Precautionary measures fire	: Comply with the safety procedures.
Firefighting instructions	: All fire-fighting personnel must wear safety suits. Use extinguishing media appropriate for surrounding fire.
Protection during firefighting	: Self-contained breathing apparatus when in close proximity to fire.
Other information	: Avoid direct discharge into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin and eyes. Concerning personal protective equipment to use, see item 8.
------------------	--

6.1.1. For non-emergency personnel

Protective equipment	: Equip cleanup crew with proper protection.
----------------------	--

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Absorb remaining liquid with sand or inert absorbent and remove to safe place.
Methods for cleaning up	: Wash away remainder with plenty of water.

6.4. Reference to other sections

SECTION 8. SECTION 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin, eyes and clothing. Ensure that there is a suitable ventilation system. Wear suitable protective clothing, gloves and eye or face protection.
Hygiene measures	: Do not eat, drink or smoke in areas where product is used. Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Handle and open container with care.
Storage conditions	: Keep away from food, drink and animal feeding stuffs.
Incompatible products	: Strong acids. Strong oxidizing agents.
Incompatible materials	: Refer to section 10 on incompatible materials.
Storage temperature	: 4 - 30 °C

FERTIACTYL STARTER

Safety Data Sheet

according to Regulation (EC) No. 453/2010

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	: Store in original container.

7.3. Specific end use(s)

Fertilizer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls	: Ensure adequate ventilation.
Personal protective equipment	: Gloves. Safety glasses.
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. Vapours or aerosols : Dust/aerosol mask with filter type P2



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	: 11,1 - 13,1
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: 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	: 1,27 kg/l
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available.
Oxidising properties	: No data available
Explosive limits	: 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.

FERTIACTYL STARTER

Safety Data Sheet

according to Regulation (EC) No. 453/2010

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

All heat sources, including direct sunlight. Moisture. Freezing.

10.5. Incompatible materials

Oxidation agents. Strong acids.

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) No study has been carried out for the moment on this mixture.
Skin corrosion/irritation	: Not classified. (Under experimental conditions, the Fertiactyl Starter was slightly irritating when administered by dermal route to rabbits. Not classified as irritating for the skin. . Based on available data, the classification criteria are not met) Episkin OECD 404 (in vivo, rabbit) pH: 11,1 - 13,1
Serious eye damage/irritation	: Not classified (Under experimental conditions, the Fertiactyl Starter was slightly irritating when administered by ocular route to rabbits. Not classified as irritating for the eyes.) OECD 405 (in vivo, rabbit) pH: 11,1 - 13,1
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met) No study has been carried out for the moment on this mixture.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met) No study has been carried out for the moment on this mixture.
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met) No study has been carried out for the moment on this mixture.
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met) No study has been carried out for the moment on this mixture.
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met) No study has been carried out for the moment on this mixture.
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met) No study has been carried out for the moment on this mixture.
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met) No study has been carried out for the moment on this mixture.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Based on available data, the classification criteria are not met. No study has been carried out for the moment on this mixture.
Ecology - water	: May cause eutrophication at very low concentration. Do not allow to enter drains or water courses.

12.2. Persistence and degradability

FERTIACTYL STARTER	
Persistence and degradability	No significant hazards. No study has been carried out for the moment on this mixture.

12.3. Bioaccumulative potential

FERTIACTYL STARTER	
Bioaccumulative potential	Bioaccumulation unlikely. No study has been carried out for the moment on this mixture.

12.4. Mobility in soil

FERTIACTYL STARTER	
Ecology - soil	No study has been carried out for the moment on this mixture.

FERTIACTYL STARTER

Safety Data Sheet

according to Regulation (EC) No. 453/2010

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

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

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

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

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

IMDG

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

IATA

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

ADN

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

RID

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

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

FERTIACTYL STARTER

Safety Data Sheet

according to Regulation (EC) No. 453/2010

- Air transport

No data available

- Inland waterway transport

Not subject to ADN : No

- Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the 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 substances with Annex XVII restrictions

FERTIACTYL STARTER is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Other information : according to Regulation (EC) No. 1907/2006 (REACH).

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