



SAFETY DATA SHEET
EXCEL ACTIVATOR MINI/MAXI 20KG/600KG

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

1.1. Product identifier

Product name	EXCEL ACTIVATOR MINI/MAXI 20KG/600KG
Product number	8796SK, 8797SK, 9788P
REACH registration notes	This mixture is exempt from REACH registration according to Regulation (EC) No. 1907/2006 (REACH). All raw materials used in the mixture are REACH registered where necessary.

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

Identified uses	Fertiliser
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1.3. Details of the supplier of the safety data sheet

Supplier	E. Marker A/S OKslundvej 8 DK-6330 Padborg Denmark +4574670808 8am - 5pm Mon - Fri +4540597467 Mobile +4579304190 info@emarker.dk
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1.4. Emergency telephone number

Emergency telephone	+45 74 67 08 08 8am - 5pm Mon - Fri
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National emergency telephone number 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Eye Irrit. 2 - H319
Environmental hazards	Not Classified

2.2. Label elements

Hazard pictograms



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation.

EXCEL ACTIVATOR MINI/MAXI 20KG/600KG

Precautionary statements

P264 Wash contaminated skin thoroughly after handling.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face 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.
 P337+P313 If eye irritation persists: Get medical advice/ attention.

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SSP SINGLE SUPERPHOSPHATE			5-10%
CAS number: 8011-76-5	EC number: 232-379-5	REACH registration number: 01-2119488967-11-0004	

Classification

Eye Irrit. 2 - H319

FERROUS SULPHATE MONOHYDRATE			1-5%
CAS number: 17375-41-6	EC number: 231-753-5	REACH registration number: 01-2119513203-57-XXXX	

Classification

Acute Tox. 4 - H302
 Skin Irrit. 2 - H315
 Eye Irrit. 2 - H319

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	Get medical attention if symptoms are severe or persist.
Ingestion	Get medical attention if symptoms are severe or persist.
Skin contact	Wash skin thoroughly with soap and water or use an approved skin cleanser. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist after washing.

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

Inhalation	Dust in high concentrations may irritate the respiratory system.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Prolonged or repeated exposure may cause severe irritation. May cause severe eye irritation.

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

Notes for the doctor	Treat symptomatically.
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EXCEL ACTIVATOR MINI/MAXI 20KG/600KG

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Not applicable.

5.2. Special hazards arising from the substance or mixture

Specific hazards Not known.

5.3. Advice for firefighters

Protective actions during firefighting Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of dust and contact with skin and eyes. Use suitable respiratory protection if ventilation is inadequate. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

Environmental precautions The product is slowly degradable. The product is not expected to be hazardous to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Take care as floors and other surfaces may become slippery. Avoid generation and spreading of dust. Collect spillage with a shovel and broom, or similar and reuse, if possible. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations. Do not empty into drains. Collect and dispose of spillage as indicated in Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Read label before use. Wear appropriate clothing to prevent repeated or prolonged skin contact. Avoid inhalation of dust and contact with skin and eyes.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a dry place. Keep container in a well-ventilated place. Keep out of the reach of children. Store away from incompatible materials (see Section 10).

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

EXCEL ACTIVATOR MINI/MAXI 20KG/600KG

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

AMMONIUM SULPHATE

Long-term exposure limit (8-hour TWA): WEL Total inhalable - 10 mg/m³ Respirable - 4 mg/m³ respirable dust

UREA

Long-term exposure limit (8-hour TWA): WEL Total inhalable dust - 10 mg/m³ Respirable dust - 4 mg/m³

WEL = Workplace Exposure Limit.

POTASSIUM CHLORIDE (CAS: 7447-40-7)

DNEL Workers - Dermal; Short term systemic effects: 580 mg/kg/day
Workers - Dermal; Long term systemic effects: 580 mg/kg/day
Workers - Inhalation; Short term systemic effects: 292 mg/m³
Workers - Inhalation; Long term systemic effects: 292 mg/m³

PNEC Industry - Fresh water; 0.047 mg/l
marine water; 0.047 mg/l

UREA (CAS: 57-13-6)

DNEL Workers - Dermal; Short term systemic effects: 580 mg/kg/day
Workers - Dermal; Long term systemic effects: 580 mg/kg/day
Workers - Inhalation; Short term systemic effects: 292 mg/m³
Workers - Inhalation; Long term systemic effects: 292 mg/m³
General population - Oral; Short term systemic effects: 42 mg/kg/day
General population - Oral; Long term systemic effects: 42 mg/kg/day
General population - Dermal; Short term systemic effects: 580 mg/kg/day
General population - Dermal; Long term systemic effects: 580 mg/kg/day
General population - Inhalation; Short term systemic effects: 125 mg/m³
General population - Inhalation; Long term systemic effects: 125 mg/m³

PNEC - Fresh water; 0.047 mg/l
- marine water; 0.047 mg/l

SSP SINGLE SUPERPHOSPHATE (CAS: 8011-76-5)

DNEL Workers - Inhalation; Long term systemic effects: 3.1 mg/m³
Workers - Dermal; Long term systemic effects: 17.4 mg/kg/day
General population - Inhalation; Long term systemic effects: 0.9 mg/m³
General population - Oral; Long term systemic effects: 2.1 mg/kg/day
General population - Dermal; Long term systemic effects: 10.4 mg/kg/day

PNEC Fresh water; 1.7 mg/l
marine water; 0.17 mg/l
Intermittent release; 17 mg/l
STP; 10 mg/l

DAP GRANULAR (CAS: 7783-28-0)

DNEL Workers - Inhalation; Long term systemic effects: 6.1 mg/m³

PNEC Fresh water; 1.7 mg/l

8.2. Exposure controls

EXCEL ACTIVATOR MINI/MAXI 20KG/600KG

Protective equipment



Appropriate engineering controls	All handling should only take place in well-ventilated areas.
Eye/face protection	Wear eye protection.
Hand protection	Wear protective gloves.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
Respiratory protection	No specific recommendations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Granules.
Colour	Beige. to Dark brown. or Black.
Odour	Mild.
Odour threshold	Not determined.
pH	Slightly acidic.
Melting point	Not relevant.
Initial boiling point and range	Not relevant.
Flash point	Not relevant.
Evaporation rate	Not relevant.
Flammability (solid, gas)	The product is not flammable.
Vapour pressure	Not relevant.
Vapour density	Not relevant.
Relative density	Not relevant.
Solubility(ies)	Not known.
Partition coefficient	Not known.
Auto-ignition temperature	Not relevant.
Decomposition Temperature	Not relevant.
Viscosity	Not relevant.
Explosive properties	Not relevant.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information	No information required.
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SECTION 10: Stability and reactivity

EXCEL ACTIVATOR MINI/MAXI 20KG/600KG

10.1. Reactivity

Reactivity No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability Stable when stored in a dry place.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid Water, moisture.

10.6. Hazardous decomposition products

Hazardous decomposition products None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 60,606.06

Acute toxicity - dermal

Notes (dermal LD₅₀) No specific test data are available.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) No specific test data are available.

Serious eye damage/irritation

Serious eye damage/irritation Irritation of eyes is assumed. In-vitro testing conducted on products with Single Superphosphate content <62% in 2015. Result: reduced the classification to Eye Irritant 2 - H319. Test Guideline OECD 438. This result is less severe than the harmonised classification for Super Phosphates of Eye Damage 1 - H318.

Respiratory sensitisation

Respiratory sensitisation No specific test data are available.

Skin sensitisation

Skin sensitisation Not determined.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity No specific test data are available.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

EXCEL ACTIVATOR MINI/MAXI 20KG/600KG

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Eye contact

The product is considered to be a low hazard under normal conditions of use. May cause eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability The product is slowly degradable.

12.3. Bioaccumulative potential

Partition coefficient Not known.

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not relevant.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. Only store in correctly labelled containers. Dispose of contents/container in accordance with national regulations. No specific disposal method required. Do not empty into drains.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

EXCEL ACTIVATOR MINI/MAXI 20KG/600KG

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ATE: Acute Toxicity Estimate.

CAS: Chemical Abstracts Service.

cATpE: Converted Acute Toxicity Point Estimate.

DMEL: Derived Minimal Effect Level.

DNEL: Derived No Effect Level.

EC₅₀: 50% of maximal Effective Concentration.

GHS: Globally Harmonized System.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

LC₅₀: Lethal Concentration to 50 % of a test population.

LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).

LOAEC: Lowest Observed Adverse Effect Concentration.

LOAEL: Lowest Observed Adverse Effect Level.

LOEC: Lowest Observed Effect Concentration.

NOAEC: No Observed Adverse Effect Concentration.

NOAEL: No Observed Adverse Effect Level.

NOEC: No Observed Effect Concentration.

PBT: Persistent, Bioaccumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

SVHC: Substances of Very High Concern.

vPvB: Very Persistent and Very Bioaccumulative.

EXCEL ACTIVATOR MINI/MAXI 20KG/600KG

Revision date	01/04/2022
Revision	5
Supersedes date	18/03/2021
SDS number	20689
Hazard statements in full	H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.