

Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



Kali Gazon 0-0-27

Version: 2.6
Date of last issue: 23.12.2022
Date of first issue: 31.03.2016

Revision Date:
06.04.2023

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

1.1 Product identifier

Trade name : Kali Gazon 0-0-27

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

Use of the Substance/Mixture : Fertilizer

1.3 Details of the supplier of the safety data sheet

Company : COMPO EXPERT GmbH
Krögerweg 10
D-48155 Münster

Telephone : +49 (0) 251 29 79 81 – 000

Telefax : +49 (0) 251 29 79 81 - 111

E-mail address of person responsible for the SDS : info@compo-expert.com

1.4 Emergency telephone number

GBK GmbH - Global Regulatory Compliance - 24h
Telephone: +49 (0) 6132 - 84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Supplemental Hazard Statements : EUH210 Safety data sheet available on request.

2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Kali Gazon 0-0-27

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Fertilizer
fertilizer contains:
potassium sulphate
magnesium sulphate

Hazardous components

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : If symptoms persist, seek medical advice.
If inhaled : If symptoms persist, call a physician.
In case of skin contact : After contact with skin, wash immediately with plenty of water.
In case of eye contact : Immediately flush eye(s) with plenty of water.
If swallowed : Clean mouth with water and drink afterwards plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Product does not burn, fire-extinguishing activities according to surrounding.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : In case of combustion evolution of dangerous gases possible.
Sulphur dioxide (SO₂)

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire and/or explosion do not breathe fumes.

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Kali Gazon 0-0-27



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Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Disposal according to regulations.
Rinse with water.
Sweep up or vacuum up spillage and collect in suitable container for disposal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : not required under normal use
Handle in accordance with good industrial hygiene and safety practice.

Advice on protection against fire and explosion : The product is not flammable. No special precautions required.

Hygiene measures : When using do not eat or drink. Take off immediately all contaminated clothing. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No special storage conditions required.

Further information on storage conditions : Keep container dry.

Storage class (TRGS 510) : 13, Non Combustible Solids

Other data : No decomposition if stored and applied as directed.

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7.3 Specific end use(s)

Specific use(s) : Always read the label and product information before use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Kali Gazon 0-0-27				
Remarks:	This information is not available.			

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Kali Gazon 0-0-27		
Remarks:	This information is not available.	

8.2 Exposure controls

Engineering measures

No special precautions required.

Personal protective equipment

Eye protection : Tightly fitting safety goggles

Hand protection

Remarks : Rubber gloves

Respiratory protection : respiratory protection only if aerosol or dust is formed.

Effective dust mask

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

Material Safety Data Sheet

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Kali Gazon 0-0-27

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: granular
Colour	: off-white
Odour	: odourless
pH	: 7, Concentration: 180 g/l (20 °C) Method: DIN 38404-5
Melting point/range	: > 1.060 °C
Boiling point/boiling range	: Not applicable
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: The product is not flammable.
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: Not applicable
Bulk density	: ca. 1.100 kg/m ³
Solubility(ies)	
Water solubility	: 180 g/l (20 °C, 1.013 hPa)
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: > 700 °C
Viscosity	
Viscosity, dynamic	: Not applicable

Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



Kali Gazon 0-0-27

Version: 2.6
Date of last issue: 23.12.2022
Date of first issue: 31.03.2016

Revision Date:
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Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	Not considered an oxidizing substance
Particle characteristics		
Particle Size Distribution	:	D50 = 1,3 mm D50 Tolerance range = 0,9 mm - 1,7 mm Measurement technique: Optoelectronic measurement method

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : No substances known that should be avoided.

10.6 Hazardous decomposition products

No decomposition if used as directed.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product:

Acute oral toxicity : Remarks: Contains no hazardous ingredients according to GHS

Kali Gazon 0-0-27

Version: 2.6
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Skin corrosion/irritation

Product:

Result: No skin irritation

Serious eye damage/eye irritation

Product:

Result: No eye irritation

Respiratory or skin sensitisation

Product:

Result: non-sensitizing

germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: Contains no hazardous ingredients according to GHS

Carcinogenicity

Product:

Remarks: Contains no ingredient listed as a carcinogen

Reproductive toxicity

Product:

Effects on fertility : Remarks: Contains no ingredient listed as toxic to reproduction

Effects on foetal development : Remarks: Contains no ingredient listed as toxic to reproduction

STOT - single exposure

Product:

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Product:

Assessment: The substance or mixture is not classified as specific target organ toxicant,

Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



Kali Gazon 0-0-27

Version: 2.6
Date of last issue: 23.12.2022
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Revision Date:
06.04.2023

repeated exposure.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

No data available

Further information

No data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

- | | | |
|---|---|--|
| Toxicity to fish | : | (bleak): 1.692 - 2.380 mg/l
Exposure time: 96 h
Test Type: LC50
Method: DIN 38412 |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna): 890 mg/l
Exposure time: 48 h |
| Toxicity to algae | : | EC50 (Scenedesmus subspicatus): 2.900 mg/l
Exposure time: 72 h
Method: DIN 38412 T.9 |
| Toxicity to bacteria | : | EC20 (Pseudomonas putida): > 20.000 mg/l
Exposure time: 16 h |

12.2 Persistence and degradability

Product:

- | | | |
|------------------|---|--|
| Biodegradability | : | Remarks: The product works in the soil as fertilizer and is diminished in a few weeks. |
|------------------|---|--|

12.3 Bioaccumulative potential

Product:

- | | | |
|-----------------|---|---------------------------------------|
| Bioaccumulation | : | Remarks: Bioaccumulation is unlikely. |
|-----------------|---|---------------------------------------|

12.4 Mobility in soil

Product:

Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Kali Gazon 0-0-27



Version: 2.6

Date of last issue: 23.12.2022

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Revision Date:

06.04.2023

Mobility : Remarks: No data available

Distribution among environmental compartments : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).. This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB)..

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Product:

Additional ecological information : Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Contaminated packaging : Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

SECTION 14: Transport information

14.1 UN number or ID number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

Material Safety Data Sheet

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Kali Gazon 0-0-27



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14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Water contaminating class : WGK 1 slightly water endangering
(Germany)

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; 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; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; DIN - Standard of the German Institute for Standardisation; ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TRGS - Technical Rule for Hazardous Substances; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS -

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Kali Gazon 0-0-27



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06.04.2023

Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

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