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Safety data sheet according to 1907/2006/EC, Article 31

Printing date 29.05.2024

Version number 105.03 (replaces version 105.02)

Revision: 26.05.2024

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

1.1 Product identifier

Trade name **Kaliumchlorid FEED**

Article number: 1005035841002

CAS Number:

7447-40-7

EC number:

231-211-8

REACH-Registration number

This substance is exempted from registration according to Regulation (EC) No. 1907/2006 (REACH).

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

No further relevant information available.

Application of the substance / the mixture Basic chemical (without special defined application)

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:



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1.4 Emergency telephone number:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz
Tel. (+49) 61 31 / 19 240.

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Substances Kaliumchlorid KCl

CAS No. Designation:

7447-40-7 potassium chloride

Identification no(s):

EC number: 231-211-8

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: In case of unconsciousness bring patient into stable side position for transport.

After inhalation

After inhaling the product-dust, breathe in plenty of fresh air.

Consult a doctor.

Drink plenty of water.

After skin contact In general, the product is not irritating to the skin. Wash with soap and water.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

Product is non-flammable. Use fire fighting measure that suit the surroundings.

5.2 Special hazards arising from the substance or mixture

Can be released in case of fire:

Hydrogen chloride (HCl)

5.3 Advice for firefighters

Protective equipment:

See section 8.

Adjust protective clothing to surrounding fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

Damp down dust with water spray jet.

6.3 Methods and material for containment and cleaning up:

Take up mechanically and rinse off residues with water. Avoid formation of dust. Take up in suitable containers and send for recovery or disposal according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Prevent formation of dust.

Do not breathe dust.

Avoid contact with eyes or skin.

Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage Store in cool, dry conditions in well sealed containers.

Requirements to be met by storerooms and containers: Keep container tightly closed and dry.

Further information about storage conditions: Protect from humidity and keep away from water.

Storage class 13 (TRGS 510)

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace: Not required.

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Appropriate engineering controls Extraction required in case of dust formation.

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Individual protection measures, such as personal protective equipment**General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.

Do not inhale dust. Prevent formation of dust.

Breathing equipment: Breathing protection to be used where a build-up of dust occurs.**Recommended filter device for short term use:** Filter P2**Hand protection** Protective gloves (EN 374).**Material of gloves**

Butyl rubber, BR

Natural rubber, NR

Chloroprene rubber, CR

Eye/face protection Safety glasses**Body protection:** Standard protective working clothes**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information**

Colour:	White
Smell:	Odourless
Odour threshold:	Not determined.
Melting point/freezing point:	772 °C
Boiling point or initial boiling point and boiling range	1413 °C
Flammability	Product is not inflammable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Product is non-flammable nor potentially explosive
Decomposition temperature:	Not determined.
pH	Not applicable.
pH-value:	
Viscosity:	
Kinematic viscosity	Not applicable.
dynamic:	Not applicable.
Solubility	
Water at 20 °C:	342 g/l
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density at 20 °C	1,984 g/cm ³
Relative density	Not determined.
Vapour density	Not applicable.
Particle characteristics	
See section 3.	

9.2 Other information**Appearance:****Form:** Solid.

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Important information on protection of health and environment, and on safety.

Self-inflammability:	Not determined.
Explosive properties:	Product is not potentially explosive Dust explosions are generally possible with organic solids.
Molecular weight	74,55 g/mol
Evaporation rate	Not applicable.

Information with regard to physical hazard classes

Explosives	See section 3.
Flammable gases	See section 3.
Aerosols	See section 3.
Oxidising gases	See section 3.
Gases under pressure	See section 3.
Flammable liquids	See section 3.
Flammable solids	See section 3.
Self-reactive substances and mixtures	See section 3.
Pyrophoric liquids	See section 3.
Pyrophoric solids	See section 3.
Self-heating substances and mixtures	See section 3.
Substances and mixtures, which emit flammable gases in contact with water	See section 3.
Oxidising liquids	See section 3.
Oxidising solids	See section 3.
Organic peroxides	See section 3.
Corrosive to metals	See section 3.
Desensitised explosives	See section 3.
molecular weight (weight average/Mw):	74,56 g/mol

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known

* SECTION 11: Toxicological information

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

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

LD/LC50 values that are relevant for classification:

Oral	LD50	2600 mg/kg (rat)
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Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Slight irritant, but not sufficient to trigger an EC label

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Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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

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

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

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

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

Other information (about experimental toxicology):

No experimental indications of mutagenic effects (Ames test negative).

Germ cell mutagenicity:

Positive results were obtained in some in vitro tests (OECD 476).

In vivo: No information available.

Reproductive toxicity: Teratogenicity: NOAEL (rat): approx. 320 mg/kg

STOT-repeated exposure: NOAEL (rat): approx. 1820 mg/kg

11.2 Information on other hazards

Endocrine disrupting properties Substance is not listed.

* SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

LC 50 / 96 h	2010 mg/l (Lepomis macrochirus)
	880 mg/l (Pimephales promelas) (OECD 203)
EC 50 / 48 h	440-880 mg/l (Daphnia magna) (OECD 202)
EC 50 / 72 h	>100 mg/l (Desmodesmus subspicatus) (OECD 201)

12.2 Persistence and degradability No further relevant information available.

Other information: Does not cause any biological oxygen consumption.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

Product is used to a greater extent as fertilizer; no harmful effects on the environment are to be expected if the fertilizer doses recommended by the manufacturer and specialist adviser are observed.

General notes: Water hazard class 1 (Assessment by list): slightly hazardous for water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

Recommendation

A used product should be recycled or used in other contexts, otherwise be handed over to an appropriate disposal site.

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Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

Uncleaned packagings:**Recommendation:**

Empty containers completely and send them cleaned for reconditioning or recycling. Dispose of containers only in consultation with local authorities.

Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

14.1 UN number or ID number ADR/RID/ADN, IMDG, IATA	Void
14.2 UN proper shipping name ADR/RID/ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR/RID/ADN, IMDG, IATA Class	Void
14.4 Packing group ADR/RID/ADN, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	Not applicable. No
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is not listed.

LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV) Substance is not listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Not applicable.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Substance is not listed.

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REGULATION (EU) 2019/1148**Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

Substance is not listed.

National regulations**Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57** Substance is not listed.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Department issuing data specification sheet: see item 1: Informing department**Date of previous version:** 11.05.2023**Version number of previous version:** 105.02**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

NOAEL: No Observed Adverse Effect Level

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

*** Data compared to the previous version altered.**