

Safety datasheet

Generated: 16.10.2013
Revised on: 25.02.2021
Valid per : instantly
Version: 3.0 Replaces Version: 1.0

Paragraph 1: Identification of Substance/Formulation and the Corporation

1.1 Product identification:

Name of Product: Crown of Seeds Stueplante- & krukkegødning
Index-Nr.: n.a.
EG-Nr.: n.a.
CAS-Nr.: n.a.
REACH-Registrationnr.: n.a.
Synonyms: liquid fertilizer with different contents of nutrients (weight.-%):
N = 3-10; P as P₂O₅ = 1-9; K as K₂O = 2-8

1.2 Relevant applications of the substance / formulation and disadvised applications:

Relevant applications: Fertilizer
Disadvised applications: other than mentioned above

1.3 Detailed information on supplier of SDS

Manufacturer: Fausol A/S
Street: Roskildevej 16
Postal code/Town: DK-4030 Tune
Contact for technical information:
Telefon: +45 70 27 29 50
Telefax: +45 70 27 29 60
E-Mail: info@fausol.dk

1.4 Emergency information:

Giftlinien: Tlf. +45 82 12 12 12

Paragraph 2: Possible Dangers

2.1 Classification of substance / formulation

Classification according to Regulation (EG) Nr. 1272/2008
n.a. product does require labelling

2.2 Elements of identification

Elements of identification according to Regulation (EG) Nr. 1272/2008:
Pictogramm: n.a.
Signalword: n.a.
Determining components for labelling:
Contains: n.a.
Hazard note: n.a.

Security advice: n.a.

Further elements of identification: n.a.

2.3 Further dangers

May cause mucosa and eye irritation. Saline solutions may corrode metals.

Paragraph 3: Composition/Declaration to Components

3.1 Substances

Main component of Substance:

Name of substance: n.a.

Index-Nr.: n.a.

EG-Nr.: n.a.

CAS-Nr.: n.a.

Contaminations, stabilizing agents and single components:

Name of substance: n.a.

Index-Nr.: n.a.

EG-Nr.: n.a.

CAS-Nr.: n.a.

3.2 Formulations

Description: composition of following substances in different concentrations and additives

Name of substance: Potassiumnitrat

EG-Nr.: 231-818-8 **CAS-Nr.:** 7757-79-1 **Index-Nr.:** not known

ECHA-Nr.: 01-2119488224-35

REACH-Registrierungsnr.: 01-2119488224-35-xxxx

Percentage: may vary

H 272

P 221+280

R 8

S 17-24/25

Classification according to Regulation (EG) Nr. 1272/2008

Contaminations, stabilizing agents and single components:

Inorganic salts in form of their ammonia- and potassium phosphates, -sulphates, -chlorides
Partly with micronutrients as water-soluble salts of copper, iron, zinc, manganese, molybdenum, boron,
partly as chelates
Presence of organic substances is possible, such as urea and its derivate, organic extracts
Colorants

(The statements of danger are to be found in paragraph 16)

Paragraph 4: Measures of First-Aid

4.1 Description of first-aid-measures:

General: take off contaminated clothes immediately.
After inhalation: fresh air, see medical doctor if discomforts appear.
After skin-contact: wash immediately with soap and water and rinse well.
After eye-contact: take off contact lenses. Rinse well for several minutes with clear water. If continuing discomfort occurs, see medical doctor
After intake: Rinse mouth, and drink plenty of water.
NEVER GIVE WATER TO AN UNCONCIOUS PERSON!
Seek medical advice.

4.2 Important acute and delayed symptoms and effects

Intestinal problems
nausea

4.3 Indication for acute medical advice or special treatment

n.a.

Paragraph 5: Fire-Fighting Measures

5.1 Suitable Extinguishing Agents

CO₂, dry powder or water. Fight bigger fires with sprinkler or alcohol-resistant foam

Non-suitable extinguishing agents: n.a.

5.2 Special dangers caused by substance or formulation

Emission of following gases:

NO_x
CO
SO₂
HCl
NH₃

5.3 Advices for fire fighting

Use self-contained breathing apparatus.

Paragraph 6: Measures for unintended Disposal

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothes. Keep non-protected persons away

6.2 Environmental precautions

Do not dispose in sewerage or open waters.

6.3 Methods for cleaning/binding

n.a.

6.4 Cross reference

Paragraphs 3, 4, 11, 12

Paragraph 7: Handling and Storage

7.1 Safety procedures for secure handling

Advice for Fire- and Explosion prevention:

no special measures required

Advice for preventing dusts and aerosols:

n.a.

Advice for environmental protection:

Apply according to real requirement.

Do not dispose in sewerage or open waters.

Follow recommendations of official advice.

General hygiene advice:

Wash hands after use.

7.2 Requirements for safe storage

Details for storage requirements:

Store in a cool and dry place.

keep in original unit safely closed.

Keep away from children and pets

Protect from direct sunlight.

Requirements for Storerooms and containers:

+ 5 – +35 °C

Storage classification: 12

7.3 Specific applications

View packaging

Legal basics (u.a. Düngegesetz, Düngemittelverordnung, Düngeverordnung)

Paragraph 8: Limitation and Supervision of Exposal/Personal Safety Equipment

8.1 Parameters to be monitored

Threshold for working place exposition and/or biological threshold

Threshold for working places (AGW) Germany

This product does not contain substances that fulfill above criteria.

8.2 Limitation and supervision of exposal

Appropriate technical regulations

Individual protection - personal protection

Eye- / face-protection:

Wear protective glasses when decanting.

Skin-protection

gloves

glove material:no special gloves required. Material: rubber

Lamination strength (mm): n.a.

Permeation time (min.) Check with glove supplier.

Further skin protection protective clothes

Respiratory protection n.a.

Heat-/ cold protection n.a.

Limitation and supervision of environmental exposition

The common precautions when handling chemicals apply!

Paragraph 9: Physikal and chemical Characteristics

9.1 General information on physical and chemical characteristics

Appearance:	n.a.
Physical state:	liquid
Colour:	green
Odour:	poor, characteristic
Odour threshold:	n.a.
pH-Value (10g/l) bei 20°C:	3,0-8,0
Melting point / freezing point:	n.a.
Boiling Point/Boiling Range:	100°C
Flashing point:	n.a.
Rate of vaporisation:	n.a.
Flammability (solid, gaseous):	n.a.
Upper / lower flammability or explosive limits:	n.a.
Vapour pressure:	n.a.
Vapour density:	n.a.
Relative density:	1,0-1,3g/cm ³
Solubility:	completely in water
Coefficient of distribution:	n.a.
n-Octanol/water:	n.a.
Temperature of self-ignition:	Product does not self-ignite.
Temperature of degradation:	> 35°C
Viscosity:	n.a.

Explosive qualities:

the product is not explosive

Oxidative qualities:

the product has no oxidative qualities.

9.2 Further Information

none

Paragraph 10: Stability and Reactivity

10.1 Reactivity

No degradation if use according to regulations.

10.2 Chemical stability

Given if stored according to regulations.

10.3 Possible dangerous reactions

Ingredients may dissociate under influence of lye, acid and /or warming and evaporate e.g. ammonia.

10.4 Conditions that should be avoided

Freezing, warmth, direct solar radiation

10.5 Incompatible materials

Saline solutions may corrode metals

10.6 Dangerous decomposition products

Ammonia

Nitrogenous gases

Paragraph 11: Toxicological Indications

11.1 Information on toxicological effects

Acute Toxicity: Oral LD50 > 2000 mg/kg (Rat)

Corrosive/irritating effects on the skin: Irritation may occur.

Heavy eye damage/- irritation: Irritation may occur.

Sensitisation of respiratory system and skin: no sensitisation effect

Gamete mutagenicity: not known

Carcinogenicity: not known

Reproductive toxicity: not known

Specific target organ toxicity at single exposition: not known

Specific target organ toxicity at multiple exposition: not known

Danger of aspiration: not known

**Symptoms and effects (delayed and chronic) with information on ways of exposition
As well: information on toxicokinetics, metabolism and distribution**

The product does not have to be labelled.

According to our knowledge and the information supplied to us, this product does not inflict the users health when handled and used appropriately.

Paragraph 12: Environmental Allegations

12.1 Toxicity

Not known

12.2 Persistence and biodegradability

Not known

12.3 Potential of bioaccumulation

Not known

12.4 Mobility in soil

Not known

12.5 Result of PBT- and vPvB-evaluation

Not known

12.6 Further harmful effects

Water hazard class 1 (Self-classification due to annex 3 VwVwS): lightly water hazardous
Avoid undiluted or larger amounts to be exposed to groundwater, open water or sewerage.

Paragraph 13: Advices for Disposal

13.1 Method of waste management

Treatment of uncleaned packages: Rinse with water and detergent if necessary

Waste management key, according to Abfallverzeichnis-Verordnung (AVV): 15 01 02

Special precautions: not known. Dispose empty package in household waste.

Relevant EU- or other assignments:

No EC-standard regulations for disposal apply. In Germany the KrW/AbfG applies. It has to be differentiated between waste for recycling and waste for disposal. Special regulations are made by the German Federal Lands. Please contact an acknowledged waste management company or the responsible administration for advice

Paragraph 14: Indications for Transport

14.1 UN-Number

n.a.

14.2 Appropriate UN-Transport description

ADR/RID n.a.

IMDG-Code / ICAO-TI / IATA-DGR

n.a.

14.3 Transport hazard category

n.a.

14.4 Packaging category

n.a.

14.5 Environmental hazards

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR yes / no

Marine Pollutant yes / no

No dangerous good following the regulations of ADR/GGVS, RID/GGVE, IMDG-Code, IATA-DGR + ICAO-TI.

14.6 Special precautions for the user

See packaging

14.7 Transport of bulk material as per annex II of MARPOL- agreement and as per IBC-Code

Verschmutzungskategorie (X, Y oder Z):

n.a.

Boattyp (1,2 oder 3):

n.a.

Paragraph 15: Legal Regulations

15.1 Prescriptions to safety, health- and environmental specific regulations for the substance or formulation

EU-Prescriptions: n.a.

National Prescriptions: n.a.

Further relevant Prescriptions: n.a.

There is no labelling obligation for this product due to the calculation methods following the relevant version of the General classification guide line for formulations of the EC...

General precautions concerning the handling of chemicals are applicable

15.2 Evaluation of safety

WGK 1 (Self-classification due to Anlagenverordnung – AwSV chapter 2 with annexes 1 und 2 as well as the respective definitions in § 2 of the decree): lightly water hazardous.

Paragraph 16: Further Information

Changes in comparison to former version Amendment and formal update

Abbreviations

WGK: Water hazard class

IMDG: International Maritime Code for Dangerous Goods

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Literatur and Data base

GESTIS-Stoffdatenbank: Gefahrstoffinformationssystem der gewerblichen Berufsgenossenschaften.

TOXNET: Datenbanken über Toxikologie und gefährliche Chemikalien

(National Library of Medicine, Specialized Information Services

8600 Rockville Pike, Bethesda, MD 20894, USA)

RTECS, The Registry of Toxic Effects of Chemical Substances

Methods as per Artikel 9 Regulation (EG) Nr. 1272/2008

All indications are based on today's state of knowledge. They do not represent any warranty of product characteristics and do not constitute a contractual legal position

Note for the reader: to our current state of knowledge the here included information are correct. Neither the above mentioned manufacturer nor one of his subcompanies take any legal liability concerning the correctness or completeness of the given information. A final statement concerning the suitability of the mentioned products rests within the responsibility of the user. All products may contain unknown risks and are therefore to be handled with care. Certain risks are mentioned in this information but we cannot guarantee that these are the only possible risks.

Although our products underlie strict fertilizer law requirements and thus are safe for the end user, if misused there can be a risk. For example depending on the raw material mentioned within Regulation (EU) 2019/1148, they can be misused for illegal manufacturing of explosive goods for criminal especially terrorist intention.

With Regulation (EU) 2019/1148 from 1st of February 2021 on improved exchange of information along supply chain and a notification requirement for suspicious transactions are published:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32019R1148>

For raw materials and mixtures there is a notification requirement for suspicious transactions as well as for theft, pilferage and non-delivery of significant amounts within 24 hours.

In the future mixtures with five or less ingredients or a concentration > 1 % w/w (weight %) are affected. Excluded are homogenous mixtures with more than five ingredients and concentrations below 1 %. Thus some NPK-fertilizer even hobby products, solid and liquid can be affected by above mentioned notification requirement.

We want to satisfy our obligation along supply chain by sending a file with all relevant products. Please see attachment for the data. All mentioned products are complex NPK-fertilizer, made of several raw materials and sold in small packages. Under these circumstances these products are harmless and neither danger nor explosive risks occur. In general all our products are safe when sold and used. And can be sold unrestricted to end users.

For further Guidelines for the implementation of Regulation (EU) 2019/1148 on the marketing and use of explosives precursors please check:

<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52020XC0624%2801%29>

For reasons of precaution a monitoring shall be established to recognize suspected cases and prevent illegal usage. On this way for suspicious transactions of non-common household amounts and / or theft, pilferage and non-delivery of significant amounts a notification at a central notification body is required within 24 hours.

Please check at your country which central notification body / authority is responsible in those cases.