		SAFEIYI	DATA SHEET	dutch <u>orow</u>
	accordi	ng to Commission Reg	ulation (EU) 2020/878 as am	ended
			l plus	
	on date 06th C on date	October 2023	Version	1.0
SECT: 1.1.	ON 1: Identification of the s Product identifier	ubstance/mixture a	pH plus	taking
1.1.	Substance / mixture		mixture	
	Number		0021	
	UFI		GW10-90Y6-Q00G-DA	A111
1.2.	Relevant identified uses of	the substance or m		
	Mixture's intended use			
	Main intended use			
	PC-FER-1	Fertilisers		
	Mixture uses advised again		the second in Continue 1	
	The product should not be use			
1.3.	Details of the supplier of the	ie sarety data sheet		
	Supplier Name or trade name		DutabCraw	
			DutchGrow	
	Address		Henckenshagestraat 5), DIEUA, 4834 KA
	Phone		Netherlands	
	E-mail		info@dutch-grow.com	
	Web address		www.dutch-grow.com	
1.4.	Emergency telephone num	ber		
	National Health Service (NHS)) 111		
	National Health Service (NHS) National poisoning information CON 2: Hazards identification Classification of the substa Classification of the mixtur The mixture is classified as da	n centre Scotland, NHS nnce or mixture re in accordance wit		2/2008
	National poisoning information ON 2: Hazards identification Classification of the substa	n centre Scotland, NHS nnce or mixture re in accordance wit	h Regulation (EC) No 1272	
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according to Commission Regulation (EU) 2020/878 as amended

pH plus				
Creation date	06th October 2023			
Revision date	Version 1.0			
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.			
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
P310	Immediately call a doctor.			
P405	Store locked up.			
P501	Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.			

Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 584-08-7 EC: 209-529-3	potassium carbonate	<25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	
Index: 019-002-00-8 CAS: 1310-58-3 EC: 215-181-3	potassium hydroxide	<20	Acute Tox. 4, H302 Skin Corr. 1A, H314 Specific concentration limit: Skin Irrit. 2, H315: $0.5 \% \le C < 2 \%$ Skin Corr. 1A, H314: $C \ge 5 \%$ Skin Corr. 1B, H314: $2 \% \le C < 5 \%$ Eye Irrit. 2, H319: $0.5 \% \le C < 2 \%$	ults

Notes

1 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

If on skin

Remove contaminated clothes. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Depending on the situation, call the medical rescue service and always ensure medical treatment. Rinse cautiously with water for several minutes. Rinse skin with water or shower.

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Creation date	06th October 2023				
Revision date		Version	1.0		

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

If swallowed

RINSE THE MOUTH WITH WATER IMMEDIATELY AND LET THE PERSON DRINK 2-5 dl of cold water to reduce the heating effect of the corrosive substance. Consuming larger amounts of liquid is not advisable as it may induce vomiting and potential inhaling of the corrosive substances in the lungs. The affected person must not be forced to drink, particularly if already feeling pain in the mouth or throat. In this case let the affected person only rinse the mouth with water. DO NOT PROVIDE ACTIVATED CARBON! Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible.

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

If inhaled

Inhaling vapours can cause corrosion of the breathing system.

If on skin

Causes severe skin burns.

If in eyes

4.3.

Causes serious eye damage.

If swallowed

Corrosion of the digestion system can occur.

Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

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Creation date06th October 2023Revision dateVersion1.0

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Store locked up.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)		
Substance name (component)		Туре	Value
potassium hydroxide (CAS: 1310-58-3)		WEL 15min	2 mg/m ³

8.2. Exposure controls

Take off contaminated clothing and wash before reuse. Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties			
Physical state	liquid		
Colour	data not available		
Odour	data not available		
Melting point/freezing point	data not available		
Boiling point or initial boiling point and boiling range	data not available		
Flammability	data not available		
Lower and upper explosion limit	data not available		
Flash point	>100 °C		
Auto-ignition temperature	data not available		
Decomposition temperature	data not available		
рН	14.5 (undiluted at 18 °C)		
Kinematic viscosity	data not available		
Solubility in water	data not available		
Partition coefficient n-octanol/water (log value)	data not available		

9.1.

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	on date 06th October 2023					
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	Vapour pressure	data not available	2			
	Density and/or relative density					
	Density	1.54 g/cm³ at 18	°C			
	Relative vapour density	data not available				
	Particle characteristics	data not available				
.2.	Other information					
	not available					
есті	ON 10: Stability and reactivity					
	Reactivity					
0.1.	not available					
0 2	Chemical stability					
0.2.	The product is stable under normal condition					
0.3.		15.				
5.5.	Unknown.					
0.4.						
0.4.	The product is stable and no degradation of	curs under normal use Protost	against flames sparks overheating a			
	against frost.		against names, sparks, overneating a			
0.5.	-					
	Protect against strong acids, bases and oxidi	izing agents.				
0.6.	Hazardous decomposition products	5 - 5				
		us outcomes such as carbon mo	noxide and carbon dioxide are formed			
	Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at					
	ON 11: Toxicological information	ceeding exposure limits for worl of concentration and exposure t	ing environment may result in acute ime. No toxicological data is available f			
	ON 11: Toxicological information Information on hazard classes as define Inhalation of solvent vapors above values ex inhalation poisoning, depending on the level the mixture.	ceeding exposure limits for worl of concentration and exposure t	king environment may result in acute			
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pH plus

Creation date	06th October 2023		
Revision date		Version	1.0

Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - repeated exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

12.2. Persistence and degradability No data are available for either the mixture or the components. **Bioaccumulative potential** 12.3. No data are available for either the mixture or the components. 12.4. Mobility in soil for optimal results

No data are available for either the mixture or the components.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. 12.7. Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

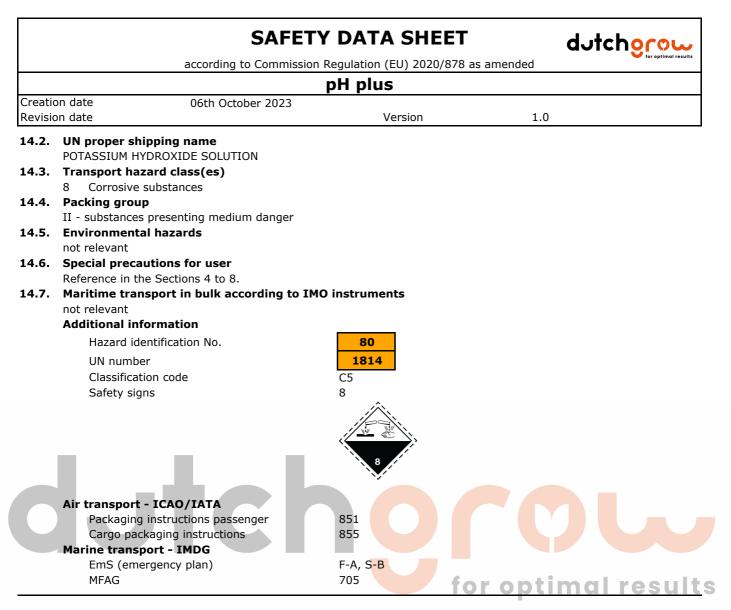
Waste management legislation

Producer Responsibility Obligations (Packaging Waste) Regulations 2007 (S.I. No. 871 of 2007). Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

UN 1814



SECTION 15: Regulatory information

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

Clean Air Act 1993 as amended. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 as amended. Public health act 1961. Environmental Protection Act 1990 as amended. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet			
H302 Harmful if swallowed.			
H314 Causes severe skin burns and eye dam			
H315 Causes skin irritation.			
H318 Causes serious eye damage.			
H319	Causes serious eye irritation.		
H335	May cause respiratory irritation.		

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		pH plus	
eation date	06th October 2023		
vision date		Version	1.0
Guidelines for	safe handling used in the sa	fety data sheet	
P102	Keep out of rea	ch of children.	
P280	Wear protective	e gloves/protective clothing/	eye protection/face protection.
P301+P330+P3	IF SWALLOWE	D: Rinse mouth. Do NOT indu	uce vomiting.
P303+P361+P3	IF ON SKIN (or with water or s		all contaminated clothing. Rinse skin
P305+P351+P3		nse cautiously with water for nt and easy to do. Continue	several minutes. Remove contact rinsing.
P310	Immediately ca	III a doctor.	
P405	Store locked up).	
P501		tents/container to by handing te or by returning to the supp	g over to the person authorized to plier.
Other importa	nt information about human		
The product m		pproved by the manufacture	er/importer - used for purposes other that alth protection regulations.
-	iations and acronyms used in		
ADR	European agree road	ement concerning the internation	ational carriage of dangerous goods by
BCF	Bioconcentratio	on Factor	
CAS	Chemical Abstr	acts Service	
CLP	Regulation (EC substance and		tion, labelling and packaging of
EC	Identification c	ode for each substance listed	in EINECS
EINECS	European Inver	ntory of Existing Commercial	Chemical Substances
EmS	Emergency pla		
EU	European Unior		
EuPCS		uct Categorisation System	
IATA		ir Transport Association	
IBC	International C	ode For The Construction An	d Equipment of Ships Carrying
	Dangerous Che		
ICAO	International C	IVII Aviation Organization	or optimal result
IMDG	International I	and the Dangerous Coous	
IMO		laritime Organization	
INCI		omenclature of Cosmetic Ing	
ISO	International O	rganization for Standardizati	on
IUPAC	International U	nion of Pure and Applied Che	emistry
log Kow	Octanol-water	partition coefficient	
OEL	Occupational E	xposure Limits	
PBT	Persistent, Bioa	accumulative and Toxic	
ppm	Parts per millio	n	
REACH	Registration, Ev	valuation, Authorisation and	Restriction of Chemicals
RID	Agreement on	the transport of dangerous g	oods by rail
UN	Four-figure ide Model Regulatio		stance or article taken from the UN
UVCB		unknown or variable composi	ition, complex reaction products or
VOC	Volatile organic		
vPvB		and very Bioaccumulative	
Acute Tox.	Acute toxicity		
Eye Dam.	Serious eye da	mage	
Skin Corr.	Skin corrosion		
STOT SE	Specific target	organ toxicity - single expos	ure
	elines		

ways of handling the product.

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according to Commission Regulation (EU) 2020/878 as amended

pH plus

Creation date Revision date

Version

1.0

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

06th October 2023

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

dutchorous for optimal results