

ENCES<sup>®</sup> G-Biosciences, St Louis, MO, USA | 1-800-628-7730 | 1-314-991-6034 | technical@GBiosciences.com

A Geno Technology, Inc. (USA) brand name

# **Safety Data Sheet**

Cat. # 786-850

#### Taq PLUS DNA Polymerase

Size: 1000U





Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Revision date: 5/11/2017

SECTION 1: Identification of the substant	ce/mixture and of the company	/undertaking	q
1.1. Product identifier			
Product form	: Mixture		
Product name	: Taq PLUS DNA Polymerase (2.5U/ul)		
Product code	: 004T		
Product group	: Blend		
1.2. Relevant identified uses of the substance	or mixture and uses advised agai	nst	
<b>1.2.1. Relevant identified uses</b> No additional information available			
1.2.2. Uses advised against No additional information available			
<b>1.3. Details of the supplier of the safety data s</b> Geno Technology, Inc./ G-Biosciences 9800 Page Avenue 63132-1429 Saint Louis - United States T 800-628-7730 - F 314-991-1504 technical@GBiosciences.com - www.GBiosciences.com			
1.4. Emergency telephone number			
	emtrec <b>1-800-424-9300</b> (USA/Canada), •	+1-703-527-388	7 (Inti)
SECTION 2: Hazards identification			
2.1. Classification of the substance or mixture	9		
Classification according to Regulation (EC) No. 127	2/2008 [CLP]		
Not classified			
practice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/20	08 [C] P1		
No labelling applicable			
2.3. Other hazards			
No additional information available			
SECTION 3: Composition/information on	ingredients		
3.1. Substances			
Not applicable			
3.2. Mixtures			
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Deionized water	(CAS-No.) 7732-18-5	28.134 - 46.89	Not classified
Pfu DNA Polymerase		7.5 - 25	Not classified
10X Pfu PCR Buffer (Mg 2+)	(CAS-No.) 7447-40-7	7.5 - 25	Not classified
glycerol	(CAS-No.) 56-81-5 (EC-No.) 200-289-5	1.5 - 2.5	Not classified
potassium chloride	(CAS-No.) 7447-40-7 (EC-No.) 231-211-8	0.225 - 0.375	Not classified
2-amino-2-(hydroxymethyl)-1,3-propanediol, hydrochloride	(CAS-No.) 1185-53-1 (EC-No.) 214-684-5	0.096 - 0.16	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
TWEEN 20	(CAS-No.) 9005-64-5	0.03 - 0.05	Not classified
Magnesium chloride	(CAS-No.) 7791-18-6	0.009 - 0.015	Not classified

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(CAS-No.) 27565-41-9 0.006 - 0.01 Acute Tox. 4 (Oral), H302 DTT [1M](15.4mg) (EC-No.) 248-531-9 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of H-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	Demonstration of the state of t
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
<b>4.2. Most important symptoms and effects,</b> No additional information available	
<b>4.3. Indication of any immediate medical att</b> Treat symptomatically.	ention and special treatment needed
SECTION 5: Firefighting measures	
5.1. Extinguishing media	Water man Dramming From Orthon Social
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the substa Hazardous decomposition products in case of fire	: Toxic fumes may be released.
· ·	. Toxic lumes may be released.
5.3. Advice for firefighters Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release measur	
6.1. Personal precautions, protective equip	ment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containment a	
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including a	
Storage conditions	: Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/person	al protection
SECTION 8: Exposure controls/persona 8.1. Control parameters	
glycerol (56-81-5)	
United Kingdom - Occupational Exposure Limits	· ·

United Kingdom - Occupational Exposure Limits

WEL TWA (mg/m<sup>3</sup>) 10 mg/m<sup>3</sup> 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

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Hand protection:	
Protective gloves	
Eye protection:	
Safety glasses	
Skin and body protection:	
Near suitable protective clothing	
Respiratory protection:	
In case of insufficient ventilation, wear suitable respiratory equipment	

#### Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and ch		
Physical state	: Liquid	
Colour	: No data available	
Odour	: No data available	
Odour threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: Not applicable	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Not applicable	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	: No data available	
Solubility	: No data available	
Log Pow	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: No data available	
9.2. Other information		

No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Hazardous decomposition products.
SECTION 11: Toxicological information
44.4. Information on toxical offects

11.1. Information on toxicological effects

Acute toxicity (oral)

: Not classified

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······································	Not classified Not classified
potassium chloride (7447-40-7)	
LD50 oral rat	3020 mg/kg bodyweight (Rat, Female, Experimental value, Oral)

glycerol (56-81-5)	
LD50 oral rat	27200 mg/kg (OECD 401: Acute Oral Toxicity, Rat, Female, Experimental value, Oral)
LD50 dermal	56750 mg/kg (4 day(s), Guinea pig, Male / female, Experimental value, Dermal, 14 day(s))
LC50 inhalation rat (mg/l)	> 2.75 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male, Converted value, Inhalation (vapours))

Magnesium chloride (7791-18-6)	
LD50 oral rat	8100 mg/kg (Rat, Oral)
Skin corrosion/irritation :	Not classified
Serious eye damage/irritation :	Not classified
Respiratory or skin sensitisation :	Not classified
Germ cell mutagenicity :	Not classified
Carcinogenicity :	Not classified
Reproductive toxicity :	Not classified
STOT-single exposure :	Not classified
STOT-repeated exposure :	Not classified
Aspiration hazard :	Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity :	Not classified
Chronic aquatic toxicity :	Not classified
potassium chloride (7447-40-7)	
LC50 fish 1	2010 mg/l (96 h, Lepomis macrochirus, Static system)
LC50 fish 2	880 mg/l (EPA 600/4-90/027, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 Daphnia 1	660 mg/l (EPA 600/4-90/027, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 72h algae (1)	2500 mg/l (Scenedesmus subspicatus, Biomass)
ErC50 (algae)	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

glycerol (56-81-5)	
LC50 fish 1	54000 mg/l (96 h, Salmo gairdneri, Static system, Fresh water, Experimental value, Lethal)
EC50 Daphnia 1	> 10000 mg/l (24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)

Magnesium chloride (7791-18-6)		
LC50 fish 1	16500 mg/l (96 h, Gambusia affinis, Anhydrous form)	
EC50 Daphnia 1	3190 mg/l (24 h, Daphnia magna, Anhydrous form)	
EC50 72h algae (1)	2200 mg/l (Scenedesmus subspicatus, Anhydrous form)	
12.2. Persistence and degradability		
potassium chloride (7447-40-7)		
Persistence and degradability	Biodegradability: not applicable.	

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Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

glycerol (56-81-5)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.87 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.16 g O <sub>2</sub> /g substance
ThOD	1.217 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.71

DTT [1M](15.4mg) (27565-41-9)	
Persistence and degradability	Biodegradability in water: no data available.

Magnesium chloride (7791-18-6)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

2-amino-2-(hydroxymethyl)-1,3-propanediol, h	ydrochloride (1185-53-1)
Persistence and degradability	Biodegradability in water: no data available.

TWEEN 20 (9005-64-5)	
Persistence and degradability	Readily biodegradable in water.
12.3. Bioaccumulative potential	
potassium chloride (7447-40-7)	
Log Pow	-0.46 (Estimated value)
Bioaccumulative potential	Not bioaccumulative.

glycerol (56-81-5)	
Log Pow	-1.75 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Bioaccumulative potential	Not bioaccumulative.

DTT [1M](15.4mg) (27565-41-9)	
Bioaccumulative potential	No bioaccumulation data available.

Bioaccumulative potential No bioaccumulation data available	Magnesium chloride (7791-18-6)	
bioaccumulative potential	Bioaccumulative potential	No bioaccumulation data available.

2-amino-2-(hydroxymethyl)-1,3-propanediol, h	ydrochloride (1185-53-1)
Bioaccumulative potential	No bioaccumulation data available.

TWEEN 20 (9005-64-5)	
Bioaccumulative potential	No bioaccumulation data available.
12.4. Mobility in soil	
potassium chloride (7447-40-7)	
Ecology - soil	No (test)data on mobility of the substance available.

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12.5. Results of PBT and vPvB assessment	)634 N/m (20 °C, 1000 g/l)
	(test)data on mobility of the substance available.
Component	
• • • •	is substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII is substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
	is substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII is substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
12.6. Other adverse effects	

No additional information available

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods	: Waste treatment methods.
SECTION 14: Transport information	

In accordance with ADR / RID / IMDG / IATA / ADN	
14.1. UN number	
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not applicable
IMDG	
Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	
Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	- Na
Dangerous for the environment	: No
Marine pollutant Other information	: No : No supplementary information available
14.6. Special precautions for user Overland transport	
Not applicable	
Transport by sea	
Not applicable	

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Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

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

Not applicable

**SECTION 15: Regulatory information** 

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

#### 15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### **SECTION 16: Other information**

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Safety Data Sheet applicable for regions

: GB - United Kingdom

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



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OFOTION 4. Identification of the substan			
SECTION 1: Identification of the substant 1.1. Product identifier	ce/mixture and of the company	/undertaking	9
	Mixture		
Product name	PCR Buffer (Mg²+ Plus) [10X]		
Product code	023P		
······································	Blend		
1.2. Relevant identified uses of the substance	or mixture and uses advised again	inst	
1.2.1. Relevant identified uses			
Main use category :	Research purposes		
1.2.2. Uses advised against			
No additional information available			
<b>1.3. Details of the supplier of the safety data s</b> Geno Technology, Inc./ G-Biosciences 9800 Page Avenue 63132-1429 Saint Louis - United States T 800-628-7730 - F 314-991-1504			
technical@GBiosciences.com - www.GBiosciences.com	<u>n</u>		
1.4. Emergency telephone number           Emergency number         : Ch	emtrec <b>1-800-424-9300</b> (USA/Canada), ·	+1-703-527-388	<b>7</b> (Intl)
	entitec 1-000-424-3500 (007/0anada),	1-703-327-300	
SECTION 2: Hazards identification			
2.1. Classification of the substance or mixture			
Classification according to Regulation (EC) No. 127	2/2008 [CLP]		
<b>o o</b> ( )			
Not classified			
Adverse physicochemical, human health and environmental effects To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice. 2.2. Label elements			
Labelling according to Regulation (EC) No. 1272/20	08 [CLP]		
EUH-statements : EUH210 - Safety data sheet available on request.			
2.3. Other hazards			
No additional information available			
SECTION 3: Composition/information on	ingredients		
3.1. Substances Not applicable	ingredients		
3.2. Mixtures			
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Deionized water	(CAS-No.) 7732-18-5	> 50	Not classified
potassium chloride	(CAS-No.) 7447-40-7 (EC-No.) 231-211-8	< 10	Not classified
2-amino-2-(hydroxymethyl)-1,3-propanediol, hydrochloride	(CAS-No.) 1185-53-1 (EC-No.) 214-684-5	<= 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of H-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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4.2. Most important symptoms and effects, both acute and delayed	
No additional information available	
4.3. Indication of any immediate medical attention and special treatment needed	
Treat symptomatically.	

SECTION 5: Firefighting measures 5.1. Extinguishing media		
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.	
5.2. Special hazards arising from the substa	ince or mixture	
Hazardous decomposition products in case of fire	: Toxic fumes may be released.	
5.3. Advice for firefighters		
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.	
SECTION 6: Accidental release measure	es	
6.1. Personal precautions, protective equipment and emergency procedures		
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area.	

#### 6.1.2. For emergency responders Protective equipment 6.2 Environmental precaution

6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containment and cleaning up		
Methods for cleaning up	: Take up liquid spill into absorbent material.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		
For further information refer to section 13.		

refer to section 8: "Exposure controls/personal protection".

: Do not attempt to take action without suitable protective equipment. For further information

SECTION 7: Handling and storage 7.1. Precautions for safe handling		
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.	
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions	: Store in a well-ventilated place. Keep cool.	
Storage temperature	: -20 °C	
7.3. Specific end use(s)		
No additional information available		

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
No additional information available
8.2. Exposure controls
Appropriate engineering controls:
Ensure good ventilation of the work station.
Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment
Environmental exposure controls:

Avoid release to the environment.

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SECTION 9: Physical and chemical pro	perties
9.1. Information on basic physical and cher	
Physical state	: Liquid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2. Other information	
No additional information available	

10.1. Reactivity         The product is non-reactive under normal conditions of use, storage and transport.         10.2. Chemical stability         Stable under normal conditions.         10.3. Possibility of hazardous reactions
10.2. Chemical stability         Stable under normal conditions.         10.3. Possibility of hazardous reactions
Stable under normal conditions. 10.3. Possibility of hazardous reactions
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Hazardous decomposition products.

<b>SECTION 11: Toxicological information</b>	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
potassium chloride (7447-40-7)	
LD50 oral rat	3020 mg/kg bodyweight (Rat, Female, Experimental value, Oral)
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
potassium chloride (7447-40-7)	
LC50 fish 1	2010 mg/l (96 h, Lepomis macrochirus, Static system)
LC50 fish 2	880 mg/l (EPA 600/4-90/027, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 Daphnia 1	660 mg/l (EPA 600/4-90/027, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 72h algae (1)	2500 mg/l (Scenedesmus subspicatus, Biomass)
ErC50 (algae)	> 100 mg/I (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)
12.2. Persistence and degradabilit	у
potassium chloride (7447-40-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

Persistence and degradability	Biodegradability in water: no data available.
12.3. Bioaccumulative potential	
potassium chloride (7447-40-7)	
Log Pow	-0.46 (Estimated value)
Bioaccumulative potential	Not bioaccumulative.

2-amino-2-(hydroxymethyl)-1,3-propanediol, hydrochloride (1185-53-1)		
Bioaccumulative potential	No bioaccumulation data available.	
12.4. Mobility in soil		
potassium chloride (7447-40-7)		
Ecology - soil	No (test)data on mobility of the substance available.	
12.5. Results of PBT and vPvB assessment		
Component		
potassium chloride (7447-40-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
12.6. Other adverse effects		

No additional information available

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods	: Waste treatment methods.

SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / ADN	
14.1. UN number	
UN-No. (ADR)	: Not regulated
UN-No. (IMDG)	: Not regulated
UN-No. (IATA)	: Not regulated
UN-No. (ADN)	: Not regulated
UN-No. (RID)	: Not regulated

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3 3 ( , , , , , , , , , , , , , , , , ,	5 ( - )	
14.2. UN proper shipping name	· Nation wildte d	
Proper Shipping Name (ADR)	: Not regulated	
Proper Shipping Name (IMDG)	: Not regulated	
Proper Shipping Name (IATA)	: Not regulated	
Proper Shipping Name (ADN)	: Not regulated	
Proper Shipping Name (RID)	: Not regulated	
14.3. Transport hazard class(es)		
	· Nation with a	
Transport hazard class(es) (ADR)	: Not regulated	
Transport hazard class(es) (IMDG)	: Not regulated	
ΙΑΤΑ		
Transport hazard class(es) (IATA)	: Not regulated	
ADN		
Transport hazard class(es) (ADN)	: Not regulated	
RID		
Transport hazard class(es) (RID)	: Not regulated	
14.4. Packing group		
Packing group (ADR)	: Not regulated	
Packing group (IMDG)	: Not regulated	
Packing group (IATA)	: Not regulated	
Packing group (ADN)	: Not regulated	
Packing group (RID)	: Not regulated	
14.5. Environmental hazards		
Dangerous for the environment	: No	
Marine pollutant	: No	
Other information	: No supplementary information available	
14.6. Special precautions for user		
Overland transport		
Not regulated		
Transport by sea		
Not regulated		
Air transport		
Not regulated		
Inland waterway transport		
Not regulated		
Rail transport		
Not regulated		
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable		
SECTION 15: Regulatory information 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture		

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

#### 15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### **SECTION 16: Other information**

Full text of H- and EUH-statements:		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	
H315	Causes skin irritation.	
H319	Causes serious eye irritation.	
H335	May cause respiratory irritation.	
EUH210	Safety data sheet available on request.	

#### Safety Data Sheet applicable for regions

: GB - United Kingdom

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.