

IENCES® 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. # 786-742

Potassium Phosphate Monobasic [1M]

Size: 1 Gallon





Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Revision date: 5/11/2017 Version: 1.1

TION 1: Identification of the substance/mixture and of the co Product identifier uct name : Mixture uct name : Potassium Phosphate Monoba No. : 7778-77-0 uct code : 327P uct group : Blend Relevant identified uses of the substance or mixture and uses advis . Relevant identified uses of the substance or mixture and uses advised . Relevant identified uses dditional information available . Uses advised against dditional information available Details of the supplier of the safety data sheet D Technology, Inc./ G-Biosciences Page Avenue 2-1429 Saint Louis - United States >628-7730 - 5 14-991-1504 tical@@Biosciences.com - www.GBiosciences.com Emergency telephone number rgency number : Chemtrec 1-800-424-9300 (USA/C CTION 2: Hazards identification Classification of the substance or mixture sification according to Regulation (EC) No. 1272/2008 [CLP] iaassified trese physicochemical, human health and environmental effects ur knowledge, this product does not present any particular risk, provided it is hand ice.		
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assium Phosphate (Monobasic) (CAS-No.) 7778-77-0		
	>= 80	Not classified
	< 15	Not classified
CTION 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 : Remove person to fresh air and keep comfortable for breathing. First-aid measures after eye contact : Wash skin with plenty of water. First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell. 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.		
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. 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	4.1. Description of first aid measures	
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. 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	First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell. 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	First-aid measures after skin contact	: Wash skin with plenty of water.
 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 	First-aid measures after eye contact	: Rinse eyes with water as a precaution.
No additional information available 4.3. Indication of any immediate medical attention and special treatment needed	First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.3. Indication of any immediate medical attention and special treatment needed	4.2. Most important symptoms and effect	cts, both acute and delayed
	No additional information available	
Treat symptomatically.	4.3. Indication of any immediate medica	I attention and special treatment needed
	Treat symptomatically.	

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

according to Regulation (EC) No. 1907/2006 (REACH) with i	ts amendment Regulation (EU) 2015/830
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 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	
6.1. Personal precautions, protective equipr	nent 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 Other information	: Take up liquid spill into absorbent material. : 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	ny incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool. : 20 °C
Storage temperature 7.3. Specific end use(s)	. 20 C
No additional information available	
SECTION 8: Exposure controls/persona	Il 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 respi	ratory equipment
· · · ·	7 T T T T T T T T T T T T T T T T T T T
Environmental exposure controls: Avoid release to the environment.	
SECTION 9: Physical and chemical prop	perties
9.1. Information on basic physical and chem	

9.1. Information on basic physical and chem	
Physical state	: Liquid
Colour	: No data available

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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	

rma 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	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Potassium Phosphate (Monobasic) (7778-77	′-0)
LD50 oral rat	7100 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 4640 mg/kg (Rabbit, Dermal)
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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2.1. Toxicity	
cology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
cute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
Potassium Phosphate (Monobasic) (7	778-77-0)
_C50 fish 1	> 900 mg/l (48 h, Leuciscus idus)
2.2. Persistence and degradability	
Potassium Phosphate (Monobasic) (7	778-77-0)
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
30D (% of ThOD)	Not applicable
2.3. Bioaccumulative potential	
2.3. Bloaccumulative potential Potassium Phosphate (Monobasic) (7)	778-77-0)
Bioaccumulative potential	No bioaccumulation data available.
2.4. Mobility in soil	
o additional information available	
2.5. Results of PBT and vPvB assessi	ment
lo additional information available 2.6. Other adverse effects	
o additional information available	
ECTION 13: Disposal consideration 3.1. Waste treatment methods	pns
/aste treatment methods	: Waste treatment methods.
ECTION 14: Transport information	
accordance with ADR / RID / IMDG / IATA / 4.1. UN number	
IN-INU. (AUR)	: Not applicable
	: Not applicable : Not applicable
N-No. (IMDG)	
N-No. (IMDG) N-No. (IATA)	: Not applicable
IN-No. (IMDG) IN-No. (IATA) IN-No. (ADN)	: Not applicable : Not applicable
N-No. (IMDG) N-No. (IATA) N-No. (ADN) N-No. (RID) 4.2. UN proper shipping name	 Not applicable Not applicable Not applicable Not applicable
IN-No. (IMDG) IN-No. (IATA) IN-No. (ADN) IN-No. (RID) 4.2. UN proper shipping name roper Shipping Name (ADR)	 Not applicable Not applicable Not applicable Not applicable Not applicable
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N-No. (IMDG) N-No. (IATA) N-No. (ADN) N-No. (RID) 4.2. UN proper shipping name roper Shipping Name (ADR) roper Shipping Name (IMDG) roper Shipping Name (IATA) roper Shipping Name (ADN) roper Shipping Name (RID) 4.3. Transport hazard class(es) DR	 Not applicable
N-No. (IMDG) N-No. (IATA) N-No. (ADN) N-No. (RID) 4.2. UN proper shipping name roper Shipping Name (ADR) roper Shipping Name (IMDG) roper Shipping Name (IATA) roper Shipping Name (ADN) roper Shipping Name (ADN) roper Shipping Name (RID) 4.3. Transport hazard class(es) DR ransport hazard class(es) (ADR)	 Not applicable
N-No. (IMDG) N-No. (IATA) N-No. (ADN) N-No. (ADN) 4.2. UN proper shipping name roper Shipping Name (ADR) roper Shipping Name (IMDG) roper Shipping Name (IATA) roper Shipping Name (ADN) roper Shipping Name (RID) 4.3. Transport hazard class(es) DR ransport hazard class(es) (ADR) MDG	 Not applicable
N-No. (IMDG) N-No. (IATA) N-No. (ADN) N-No. (RID) 4.2. UN proper shipping name roper Shipping Name (ADR) roper Shipping Name (IMDG) roper Shipping Name (IATA) roper Shipping Name (ADN) roper Shipping Name (RID) 4.3. Transport hazard class(es) DR ransport hazard class(es) (ADR) MDG ransport hazard class(es) (IMDG)	 Not applicable
IN-No. (IMDG) IN-No. (IATA) IN-No. (ADN) IN-No. (ADN) IN-No. (RID) 4.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (ADN) Proper Shipping Name (RID) 4.3. Transport hazard class(es) ADR Fransport hazard class(es) (ADR) MDG Fransport hazard class(es) (IMDG) ATA	 Not applicable
UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (ADN) UN-No. (RID) 4.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) 4.3. Transport hazard class(es) 4.3. Transport hazard class(es) 4.4. Transport hazard class(es) (IMDG) 4.4. Transport hazard class(es) (IATA)	 Not applicable
N-No. (IMDG) N-No. (IATA) N-No. (ADN) N-No. (ADN) 4.2. UN proper shipping name roper Shipping Name (ADR) roper Shipping Name (IMDG) roper Shipping Name (IATA) roper Shipping Name (RID) 4.3. Transport hazard class(es) DR ransport hazard class(es) (ADR) MDG ransport hazard class(es) (IMDG) ATA ransport hazard class(es) (IATA) DN	 Not applicable
N-No. (IMDG) N-No. (IATA) N-No. (ADN) N-No. (ADN) A-No. (RID) 4.2. UN proper shipping name roper Shipping Name (ADR) roper Shipping Name (IMDG) roper Shipping Name (IATA) roper Shipping Name (ADN) roper Shipping Name (RID) 4.3. Transport hazard class(es) DR ransport hazard class(es) (ADR) MDG ransport hazard class(es) (IMDG) ATA ransport hazard class(es) (IATA) DN ransport hazard class(es) (ADN)	 Not applicable
N-No. (IMDG) N-No. (IATA) N-No. (ADN) N-No. (ADN) N-No. (RID) 4.2. UN proper shipping name roper Shipping Name (ADR) roper Shipping Name (IATA) roper Shipping Name (IATA) roper Shipping Name (IATA) roper Shipping Name (RID) 4.3. Transport hazard class(es) DR ransport hazard class(es) (ADR) MDG ransport hazard class(es) (IMDG) ATA ransport hazard class(es) (IATA) DN ransport hazard class(es) (ADN)	 Not applicable
JN-No. (ADR) JN-No. (IMDG) JN-No. (IATA) JN-No. (ADN) JN-No. (ADN) JN-No. (RID) 4.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (RID) 4.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) MDG Transport hazard class(es) (IMDG) ATA Transport hazard class(es) (IMDG) ATA Transport hazard class(es) (IATA) ADN Transport hazard class(es) (ADN) RID Transport hazard class(es) (RID)	 Not applicable

Safety Data Sheet

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

	is amenument regulation (EO) 2013/030	
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		
Dangerous for the environment	: No	
Marine pollutant	: No	
Other information	: No supplementary information available	
14.6. Special precautions for user		
Overland transport		
No data available		
Transport by sea		
No data available		
Air transport		
No data available		
Inland waterway transport		
No data available		
Rail transport		
No data available		
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 regul	lations/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

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.