# **SAFETY DATA SHEETS**

LymphoTrack<sup>®</sup> Assays - MiSeq<sup>™</sup>

This document includes the Safety Data Sheets for reagents included in LymphoTrack - MiSeq Assays, Catalog Numbers listed below.

Catalog Number	Description
71210009	LymphoTrack IGH FR1 Assay Kit A - MiSeq
71210039	LymphoTrack IGH FR1 Assay Panel - MiSeq
71210059	LymphoTrack IGHV Leader Somatic Hypermutation Assay Kit A - MiSeq
71210069	LymphoTrack IGHV Leader Somatic Hypermutation Assay Panel - MiSeq
71210089	LymphoTrack <i>IGH</i> FR2 Assay Kit A - MiSeq
71210099	LymphoTrack <i>IGH</i> FR2 Assay Panel - MiSeq
71210109	LymphoTrack <i>IGH</i> FR3 Assay Kit A - MiSeq
71210119	LymphoTrack <i>IGH</i> FR3 Assay Panel - MiSeq
71210129	LymphoTrack <i>IGH</i> FR1/2/3 Assay Kit A - MiSeq
71210139	LymphoTrack IGH FR1/2/3 Assay Panel - MiSeq
71210149	LymphoTrack <i>IGH</i> FR1 Assay Panel B – MiSeq
71220009	LymphoTrack <i>IGK</i> Assay Kit A - MiSeq
71220019	LymphoTrack IGK Assay Panel - MiSeq
72250009	LymphoTrack TRB Assay Kit A - MiSeq
72250019	LymphoTrack TRB Assay Panel - MiSeq
72270009	LymphoTrack TRG Assay Panel - MiSeq
72270019	LymphoTrack <i>TRG</i> Assay Kit A - MiSeq

## Conforms to HCS 2021 – United States

# SAFETY DATA SHEET

# \*invivoscribe

Section 1: Identification		
GHS product identifier :	Part number :	Other means of identification:
IGH SHM Positive Control DNA	40880008	IGH SHM Positive Control DNA
IGH Positive Control	40880009	IGH Positive Control
IGK Positive	40880018	IGK Positive
TRB Positive Control	40880058	TRB Positive Control
NGS Negative Control	40920018	NGS Negative Control
TRG POS (+) Control	42270019	TRG POS (+) Control
Product type	: Liquid	

## Relevant identified issues of the substance or mixture and uses advised against

Identified uses For use as qualitative PCR controls.						
Restrictions on use	:	For professional users only.				
Supplier's details	:	Invivoscribe, Inc.				
		10222 Barnes Canyon Road, Building 1				
		San Diego, CA				
		92121 USA				
		Tel: 1 858 224 6000				
		Toll Free: 1 866 623 8105				
		Email: customerservice@invivoscribe.com				
		Website: invivoscribe.com				
Emergency telephone (with hours of operation)	:	1 866 623 8105				
		8 AM – 5 PM PST				

## Section 2. Hazards Identification

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910:1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.
GHS label elements		
Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Hazards not otherwise classified	:	None known.

## Section 3. Compositions/information on ingredients

## Substance/mixture

: Mixture : Not available.

Other means of identification : Not available. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

## Description of necessary first aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	:	Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Most important syn	npto	ms/effects, acute and delayed

## Potential acute health effects

Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.

## Over-exposure signs/symptoms

Eye contact	:	No known significant effects or critical hazards.						
Inhalation	:	No known significant effects or critical hazards.						
Skin contact	:	No known significant effects or critical hazards.						
Ingestion	:	No known significant effects or critical hazards.						
Indication of immediate	me	lical attention and special treatment needed, if necessary						
Notes to physician		: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.						
Specific treatments	s	: No specific treatment.						
Protection of first a	aide	s : No action shall be taken involving any personal risk or without suitable training.						

## See toxicological information (Section 11)

## Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: No specific data.
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

Personal precaution	s, prote	ective equi	ipme	ent and emergency procedures			
For non-emerg	ency pe	ersonnel	:	No action shall be taken involving any personal risk or without suitable training.			
				Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.			
For emergency	respon	ders	:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".			
Environmental precautions :		:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).				
Methods and mater	ials for	containme	ent a	and cleaning up			
Small spill	:	Alternati	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water soluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.				
Large spill	:	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.					

# Section 7. Handling and storage

Precautions for safe handling		
Protective measures	:	Put on appropriate personal protective equipment (see Section 8)
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

# Section 8. Exposure to controls/personal protection

Control parameters Occupational exposure limits None.		
Appropriate engineering controls Environmental exposure controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
Individual protection measures Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

# Section 8. Exposure to controls/personal protection

Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicated this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. In contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with and approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

# Section 9. Physical and chemical properties

Appearance		
Physical state	:	Liquid. [Clear.]
Color	:	Colorless.
Odor	:	Slight.
Odor threshold	:	Not available.
pH	:	Not available.
Melting/freezing point	:	Not available.
Initial boiling point and boiling range	:	Not available.
Flash point	:	Does not flash.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive (flammable) limits	:	Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	Not available.
Partition coefficient: n-octanol/water	:	Not applicable.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Not available.
Flow time (ISO 2431)	:	Not available.

# Section 10. Stability and reactivity

Reactivity :		No dangerous reaction known under conditions of normal use.
Chemical stability	:	The product is stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	No specific data.
Incompatible materials	:	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

## Information on toxicological effects

Acute toxicity

There is no data available.

## Irritation/Corrosion

There is no data available.

### **Sensitization**

There is no data available.

## Mutagenicity

There is no data available.

#### Carcinogenicity

There is no data available.

### **Reproductive toxicity**

There is no data available.

### **Teratogenicity**

There is no data available.

### Specific Target organ toxicity (single exposure)

There is no data available.

## Specific Target organ toxicity (repeated exposure)

There is no data available.

## Aspiration hazard

There is no data available.

## Information on the likely routes of exposure

: Routes on entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.

## Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure		
Potential immediate effects	:	No known significant effects or critical hazards.
Potential delayed effects	:	No known significant effects or critical hazards.
Long term exposure		
Potential immediate effects	:	No known significant effects or critical hazards.
Potential delayed effects	:	No known significant effects or critical hazards.
Potential chronic health effects		
General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive toxicity	:	No known significant effects or critical hazards.
Numerical measures of toxicity		
Acute toxicity estimates		
There is no data available.		

## Section 12. Ecological information

Toxicity		
There is no data available.		
Persistence and degradability		
There is no data available.		
Bioaccumulative potential		
There is no data available.		
Mobility in soil		
Soil/water partition coefficient ( $K_{oc}$ )	:	Not available.
Other adverse effects	:	No known significant effects or critical hazards.

## Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solution and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental Hazards	No.	No.	No.

AERG : Not applicable

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transportation in bulk according to IMO instruments : Not available.

## Section 15. Regulatory information

U.S. Federal regulations	: TSCA 8(a) CDR Exempt/Partial e	kem	ption: Not determined.
	Clean Water Act (CWA) 311: Ed	etic	Acid; Hydochloric Acid.
Clean Air Act Section 11	2 (b) Hazardous Air Pollutants (HAPs)	:	Listed
Clean Air Act Section 60	2 Class I Substances	:	Not listed
Clean Air Act Section 60	2 Class II Substances	:	Not listed
DEA List I Chemicals (Pre	ecursor Chemicals)	:	Not listed
DEA List II Chemicals (Es	sential Chemicals)	:	Not listed

### SARA 302/304

Composition/information on ingredients

Name	% EHS		SARA 302 TPC	l	SARA 304 RQ	
Name			(lbs)	(gallons)	(lbs)	(gallons)
Hydrochloric acid	≤0.001	Yes.	500	-	5000	-

SARA 304 RQ

634763213.6 lbs / 288182499 kg

# Section 15. Regulatory information

<u>SARA 311/312</u>		
Classification	:	Not applicable.
Composition/information on ingredients		No products were found
State regulations		
Massachusetts	:	None of the components are listed.
New York	:	None of the components are listed.
New Jersey	:	None of the components are listed.
Pennsylvania	:	None of the components are listed.
California Prop. 65		This product does not require a Safe Harbor warning under California Prop. 65.
International regulations		
Chemical Weapon Convention List Schedu	les I,	II & III Chemicals
Not Listed.		
Montreal Protocol		
Not Listed.		
Stockholm Convention on Persistent Organ	nic Pc	<u>ollutants</u>
Not Listed.		
Rotterdam Convention on Prior Informed	Conse	ent (PIC)
Not Listed.		
UNECE Aarhus Protocol on POPs and Heav	<u>y Me</u>	<u>tals</u>
Not Listed.		
Inventory list		
United States (TSCA 8b)	:	All components are active or exempted.

# Section 16. Other information

Classification		Justification
Not classified.		
History		
Date of issue/Date of revision	: 4/15/2021	
Date of previous issue	: Not applicable.	
Version	: 1	
Internal code	: 651-004	
Prepared by	: Invivoscribe, Inc.	
Key to abbreviations	: ATE = Acute Toxicity Estimate	
	BCF = Bioconcentration Factor	
	GHS = Globally Harmonized System	n of Classification and Labelling of Chemicals
	IATA = International Air Transport	Association
	IBC = Intermediate Bulk Container	
	IMGD = International Maritime Da	ngerous Goods
	LogPow = logarithm of the octanol	/water portion coefficient
	MARPOL = International Conventic by the Protocol of 1978 ("Marpol"	on for the Prevention of Pollution From Ships, 1973 as modified = maritime pollution)
	N/A = Not available	
	SGG = Segregation Group	
	UN = United Nations	

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

# SAFETY DATA SHEET

# Section 1: Identification

# \*invivoscribe

GHS product identifier	Part number	Other means of identification
IGH FR1 MiSeq 01	21210009	IGH FR1 MiSeq 01
IGH FR1 MiSeq 02	21210019	IGH FR1 MiSeq 02
IGH FR1 MiSeq 03	21210029	IGH FR1 MiSeq 03
IGH FR1 MiSeq 04	21210039	IGH FR1 MiSeq 04
<i>IGH</i> FR1 MiSeq 05	21210049	IGH FR1 MiSeq 05
IGH FR1 MiSeq 06	21210059	IGH FR1 MiSeq 06
IGH FR1 MiSeq 07	21210069	IGH FR1 MiSeq 07
IGH FR1 MiSeq 08	21210079	IGH FR1 MiSeq 08
<i>IGH</i> FR1 MiSeq 09	21210089	IGH FR1 MiSeq 09
<i>IGH</i> FR1 MiSeq 10	21210099	IGH FR1 MiSeq 10
<i>IGH</i> FR1 MiSeq 11	21210109	IGH FR1 MiSeq 11
<i>IGH</i> FR1 MiSeq 12	21210119	IGH FR1 MiSeq 12
<i>IGH</i> FR1 MiSeq 13	21210129	IGH FR1 MiSeq 13
<i>IGH</i> FR1 MiSeq 14	21210139	IGH FR1 MiSeq 14
<i>IGH</i> FR1 MiSeq 15	21210149	<i>IGH</i> FR1 MiSeq 15
<i>IGH</i> FR1 MiSeq 16	21210159	IGH FR1 MiSeq 16
IGH FR1 MiSeq 18	21210169	IGH FR1 MiSeq 18
<i>IGH</i> FR1 MiSeq 19	21210179	IGH FR1 MiSeq 19
<i>IGH</i> FR1 MiSeq 20	21210189	IGH FR1 MiSeq 20
<i>IGH</i> FR1 MiSeq 21	21210199	IGH FR1 MiSeq 21
<i>IGH</i> FR1 MiSeq 22	21210209	IGH FR1 MiSeq 22
<i>IGH</i> FR1 MiSeq 23	21210219	IGH FR1 MiSeq 23
<i>IGH</i> FR1 MiSeq 25	21210229	<i>IGH</i> FR1 MiSeq 25
<i>IGH</i> FR1 MiSeq 27	21210239	IGH FR1 MiSeq 27
IGH Leader MiSeq 01	21210249	IGH Leader MiSeq 01
IGH Leader MiSeq 02	21210259	IGH Leader MiSeq 02
IGH Leader MiSeq 03	21210269	IGH Leader MiSeq 03
IGH Leader MiSeq 04	21210279	IGH Leader MiSeq 04
IGH Leader MiSeq 05	21210289	IGH Leader MiSeq 05
IGH Leader MiSeq 06	21210299	IGH Leader MiSeq 06
IGH Leader MiSeq 07	21210309	IGH Leader MiSeq 07
IGH Leader MiSeq 08	21210319	IGH Leader MiSeq 08
IGH Leader MiSeq 09	21210329	IGH Leader MiSeq 09
IGH Leader MiSeq 10	21210339	IGH Leader MiSeq 10
IGH Leader MiSeq 11	21210349	IGH Leader MiSeq 11
IGH Leader MiSeq 12	21210359	IGH Leader MiSeq 12
IGH Leader MiSeq 13	21210369	IGH Leader MiSeq 13
IGH Leader MiSeq 14	21210379	IGH Leader MiSeq 14
IGH Leader MiSeq 15	21210389	IGH Leader MiSeq 15
IGH Leader MiSeq 16	21210399	IGH Leader MiSeq 16
IGH Leader MiSeq 18	21210409	IGH Leader MiSeq 18
IGH Leader MiSeq 19	21210419	IGH Leader MiSeq 19
<i>IGH</i> Leader MiSeq 20	21210429	IGH Leader MiSeq 20
IGH Leader MiSeq 21	21210439	IGH Leader MiSeq 21
IGH Leader MiSeq 22	21210449	IGH Leader MiSeq 22
IGH Leader MiSeq 23	21210459	IGH Leader MiSeq 23
IGH Leader MiSeq 25	21210469	IGH Leader MiSeq 25

# Section 1: Identification

GHS product identifier	Part number	Other means of identification	
IGH Leader MiSeq 27	21210479	IGH Leader MiSeq 27	
IGH FR2 MiSeq 01	21210489	IGH FR2 MiSeq 01	
<i>IGH</i> FR2 MiSeq 02	21210499	IGH FR2 MiSeq 02	
IGH FR2 MiSeq 03	21210509	IGH FR2 MiSeq 03	
<i>IGH</i> FR2 MiSeq 04	21210519	IGH FR2 MiSeq 04	
<i>IGH</i> FR2 MiSeq 05	21210529	IGH FR2 MiSeq 05	
IGH FR2 MiSeq 06	21210539	IGH FR2 MiSeq 06	
<i>IGH</i> FR2 MiSeq 07	21210549	IGH FR2 MiSeq 07	
<i>IGH</i> FR2 MiSeq 08	21210559	IGH FR2 MiSeq 08	
IGH FR2 MiSeq 09	21210569	IGH FR2 MiSeq 09	
IGH FR2 MiSeq 10	21210579	IGH FR2 MiSeq 10	
<i>IGH</i> FR2 MiSeq 11	21210589	IGH FR2 MiSeq 11	
<i>IGH</i> FR2 MiSeq 12	21210599	IGH FR2 MiSeq 12	
IGH FR2 MiSeq 13	21210609	IGH FR2 MiSeq 13	
<i>IGH</i> FR2 MiSeq 14	21210619	IGH FR2 MiSeq 14	
<i>IGH</i> FR2 MiSeq 15	21210629	IGH FR2 MiSeq 15	
<i>IGH</i> FR2 MiSeq 16	21210639	IGH FR2 MiSeq 16	
<i>IGH</i> FR2 MiSeq 18	21210649	IGH FR2 MiSeq 18	
<i>IGH</i> FR2 MiSeq 19	21210659	IGH FR2 MiSeq 19	
<i>IGH</i> FR2 MiSeq 20	21210669	IGH FR2 MiSeq 20	
IGH FR2 MiSeq 21	21210679	IGH FR2 MiSeq 21	
IGH FR2 MiSeq 22	21210689	IGH FR2 MiSeq 22	
IGH FR2 MiSeq 23	21210699	IGH FR2 MiSeq 23	
IGH FR2 MiSeq 25	21210709	IGH FR2 MiSeq 25	
IGH FR2 MiSeq 27	21210719	IGH FR2 MiSeq 27	
IGH FR3 MiSeq 01	21210729	IGH FR3 MiSeq 01	
IGH FR3 MiSeq 02	21210739	IGH FR3 MiSeq 02	
IGH FR3 MiSeq 03	21210749	IGH FR3 MiSeq 03	
IGH FR3 MiSeq 04	21210759	IGH FR3 MiSeq 04	
IGH FR3 MiSeq 05	21210769	IGH FR3 MiSeq 05	
IGH FR3 MiSeq 06	21210779	IGH FR3 MiSeq 06	
IGH FR3 MiSeq 07	21210789	IGH FR3 MiSeg 07	
IGH FR3 MiSeq 08	21210799	IGH FR3 MiSeq 08	
IGH FR3 MiSeq 09	21210809	IGH FR3 MiSeq 09	
IGH FR3 MiSeq 10	21210819	IGH FR3 MiSeq 10	
IGH FR3 MiSeg 11	21210829	IGH FR3 MiSeg 11	
IGH FR3 MiSeq 12	21210839	IGH FR3 MiSeg 12	
IGH FR3 MiSeq 13	21210849	IGH FR3 MiSeg 13	
IGH FR3 MiSeq 14	21210859	IGH FR3 MiSeg 14	
IGH FR3 MiSeg 15	21210869	IGH FR3 MiSeg 15	
IGH FR3 MiSeg 16	21210879	IGH FR3 MiSeg 16	
IGH FR3 MiSeq 18	21210889	IGH FR3 MiSeq 18	
IGH FR3 MiSeq 19	21210899	IGH FR3 MiSeq 19	
IGH FR3 MiSeq 20	21210909	IGH FR3 MiSeq 20	
IGH FR3 MiSeq 21	21210909	IGH FR3 MiSeq 21	
IGH FR3 Miseq 22	21210919	IGH FR3 Miseq 22	
IGH FR3 MiSeq 23	21210929	IGH FR3 MiSeq 23	
IGH FR3 MiSeq 25	21210939	IGH FR3 MiSeq 25	
IGH FR3 MiSeq 27	21210949	IGH FR3 Miseq 27	
	21210323		

# Section 1: Identification

GHS product identifier	Part number	Other means of identification
IGH FR1 MiSeq 17	21210969	IGH FR1 MiSeq 17
IGH FR1 MiSeq 24	21210979	IGH FR1 MiSeq 24
IGH FR1 MiSeq 26	21210989	IGH FR1 MiSeq 26
IGH FR1 MiSeq 28	21210999	IGH FR1 MiSeq 28
IGH FR1 MiSeq 29	21211009	IGH FR1 MiSeq 29
IGH FR1 MiSeq 30	21211019	IGH FR1 MiSeq 30
IGH FR1 MiSeq 31	21211029	IGH FR1 MiSeq 31
IGH FR1 MiSeq 32	21211039	IGH FR1 MiSeq 32
IGH FR1 MiSeq 33	21211049	IGH FR1 MiSeq 33
IGH FR1 MiSeq 34	21211059	IGH FR1 MiSeq 34
IGH FR1 MiSeq 35	21211069	IGH FR1 MiSeq 35
<i>IGH</i> FR1 MiSeq 36	21211079	<i>IGH</i> FR1 MiSeq 36
IGH FR1 MiSeq 37	21211089	IGH FR1 MiSeq 37
IGH FR1 MiSeq 38	21211099	IGH FR1 MiSeq 38
IGH FR1 MiSeq 39	21211109	IGH FR1 MiSeq 39
IGH FR1 MiSeq 40	21211119	IGH FR1 MiSeq 40
IGH FR1 MiSeq 41	21211129	IGH FR1 MiSeq 41
IGH FR1 MiSeq 42	21211139	IGH FR1 MiSeq 42
IGH FR1 MiSeq 43	21211149	IGH FR1 MiSeq 43
IGH FR1 MiSeq 44	21211159	IGH FR1 MiSeq 44
IGH FR1 MiSeq 45	21211169	IGH FR1 MiSeq 45
IGH FR1 MiSeq 46	21211179	IGH FR1 MiSeq 46
IGH FR1 MiSeq 47	21211189	IGH FR1 MiSeq 47
IGH FR1 MiSeq 48	21211199	IGH FR1 MiSeq 48
IGK MiSeq 01	21220009	IGK MiSeq 01
<i>IGK</i> MiSeq 02	21220019	<i>IGK</i> MiSeq 02
<i>IGK</i> MiSeq 03	21220029	<i>IGK</i> MiSeq 03
<i>IGK</i> MiSeq 04	21220039	<i>IGK</i> MiSeq 04
<i>IGK</i> MiSeq 05	21220049	<i>IGK</i> MiSeq 05
<i>IGK</i> MiSeq 06	21220059	<i>IGK</i> MiSeq 06
<i>IGK</i> MiSeq 07	21220069	<i>IGK</i> MiSeq 07
<i>IGK</i> MiSeq 08	21220079	<i>IGK</i> MiSeq 08
IGK MiSeq 09	21220089	IGK MiSeq 09
IGK MiSeq 10	21220099	<i>IGK</i> MiSeq 10
IGK MiSeq 11	21220109	<i>IGK</i> MiSeq 11
<i>IGK</i> MiSeq 12	21220119	<i>IGK</i> MiSeq 12
<i>IGK</i> MiSeq 13	21220129	<i>IGK</i> MiSeq 13
<i>IGK</i> MiSeq 14	21220139	<i>IGK</i> MiSeq 14
<i>IGK</i> MiSeq 15	21220149	<i>IGK</i> MiSeq 15
<i>IGK</i> MiSeq 16	21220159	<i>IGK</i> MiSeq 16
<i>IGK</i> MiSeq 18	21220169	<i>IGK</i> MiSeq 18
<i>IGK</i> MiSeq 19	21220179	<i>IGK</i> MiSeq 19
<i>IGK</i> MiSeq 20	21220189	<i>IGK</i> MiSeq 20
<i>IGK</i> MiSeq 21	21220199	<i>IGK</i> MiSeq 21
IGK MiSeq 22	21220209	<i>IGK</i> MiSeq 22
IGK MiSeq 23	21220219	<i>IGK</i> MiSeq 23
IGK MiSeq 25	21220229	<i>IGK</i> MiSeq 25
IGK MiSeq 27	21220239	IGK MiSeq 27
TRB MiSeq 01	22250009	TRB MiSeq 01

# Section 1: Identification

GHS product identifier	Part number	Other means of identification
TRB MiSeq 02	22250019	TRB MiSeq 02
TRB MiSeq 03	22250029	TRB MiSeq 03
TRB MiSeq 04	22250039	TRB MiSeq 04
TRB MiSeq 05	22250049	TRB MiSeq 05
<i>TRB</i> MiSeq 06	22250059	TRB MiSeq 06
TRB MiSeq 07	22250069	TRB MiSeq 07
TRB MiSeq 08	22250079	TRB MiSeq 08
TRB MiSeq 09	22250089	TRB MiSeq 09
TRB MiSeq 10	22250099	TRB MiSeq 10
TRB MiSeq 11	22250109	TRB MiSeq 11
TRB MiSeq 12	22250119	TRB MiSeq 12
TRB MiSeq 13	22250129	TRB MiSeq 13
TRB MiSeq 14	22250139	TRB MiSeq 14
TRB MiSeq 15	22250149	TRB MiSeq 15
TRB MiSeq 16	22250159	TRB MiSeq 16
TRB MiSeq 18	22250169	TRB MiSeq 18
<i>TRB</i> MiSeq 19	22250179	TRB MiSeq 19
<i>TRB</i> MiSeq 20	22250189	TRB MiSeq 20
<i>TRB</i> MiSeq 21	22250199	TRB MiSeq 21
<i>TRB</i> MiSeq 22	22250209	TRB MiSeq 22
TRB MiSeq 23	22250219	TRB MiSeq 23
TRB MiSeq 25	22250229	TRB MiSeq 25
TRB MiSeq 27	22250239	TRB MiSeq 27
TRG MiSeq 01	22270019	TRG MiSeq 01
TRG MiSeq 02	22270029	TRG MiSeq 02
TRG MiSeq 03	22270039	TRG MiSeq 03
TRG MiSeq 04	22270049	TRG MiSeq 04
<i>TRG</i> MiSeq 05	22270059	TRG MiSeq 05
TRG MiSeq 06	22270069	TRG MiSeq 06
TRG MiSeq 07	22270079	TRG MiSeq 07
TRG MiSeq 08	22270089	TRG MiSeq 08
TRG MiSeq 09	22270099	TRG MiSeq 09
TRG MiSeq 10	22270109	TRG MiSeq 10
TRG MiSeq 11	22270119	TRG MiSeq 11
TRG MiSeq 12	22270129	TRG MiSeq 12
TRG MiSeq 13	22270139	TRG MiSeq 13
TRG MiSeq 14	22270149	TRG MiSeq 14
TRG MiSeq 15	22270159	TRG MiSeq 15
TRG MiSeq 16	22270169	TRG MiSeq 16
TRG MiSeq 18	22270189	TRG MiSeq 18
TRG MiSeq 19	22270199	TRG MiSeq 19
TRG MiSeq 20	22270209	TRG MiSeq 20
TRG MiSeq 21	22270219	TRG MiSeq 21
TRG MiSeq 22	22270229	TRG MiSeq 22
TRG MiSeq 23	22270239	TRG MiSeq 23
TRG MiSeq 25	22270259	TRG MiSeq 25
TRG MiSeq 27	22270279	TRG MiSeq 27
Product type	: Liquid	

Section 1: Identification	
Identified uses For amplification of gene rearrang	gements.
Restrictions on use	: For professional users only.
Supplier's details Emergency telephone (with hours of operation)	<ul> <li>Invivoscribe, Inc.</li> <li>10222 Barnes Canyon Road, Building 1</li> <li>San Diego, CA</li> <li>92121 USA</li> <li>Tel: 1 858 224 6000</li> <li>Toll Free: 1 866 623 8105</li> <li>Email: customerservice@invivoscribe.com</li> <li>Website: invivoscribe.com</li> <li>1 866 623 8105</li> <li>8 AM – 5 PM PST</li> </ul>
Section 2. Hazards Identification	
OSHA/HCS status	: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910:1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	: Not classified.
GHS label elements	
Signal word	: No signal word.
Hazard statements	: No known significant effects or critical hazards.
Precautionary statements	
Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	: Not applicable.
Hazards not otherwise classified	: None known.

# Section 3. Compositions/information on ingredients

Substance/mixture :	Mixture	
Other means of identification :	Not available.	
Ingredient Name	%	CAS Number
Dimethyl Sulfoxide	≥1 - ≤3	67-68-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms
		occur.
Skin contact	:	Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

## Section 4. First aid measures

:

Ingestion

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

## Most important symptoms/effects, acute and delayed

wost important symptoms/ene	cus, a	
Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.
Over-exposure signs/symptoms	i	
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.
Indication of immediate medica	<u>ıl atte</u>	ention and special treatment needed, if necessary
Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.
Protection of first aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

Extinguishing media		
Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides
Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Section 6. Accidental release measures

Personal precautions, protective equ	ipm	ent and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training.
		Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Section 6. Acc	cidental release measures
Methods and materia	ls for containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water soluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

recautions for safe handling		
Protective measures	:	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

# Section 8. Exposure to controls/personal protection

## Control parameters

Occupational exposure limits
------------------------------

Ingredient Name		Exposure limits		
Dimethyl sulfoxide		AIHA WEEL (United States, 7/2018). TWA: 250 ppm 8 hours		
Environmental exposure controls : Emissions from ventilation		hould be sufficient to control worker exposure to airborne contaminants. or work process equipment should be checked to ensure they comply with onmental protection legislation.		
Individual protection measure	<u>es</u>			
Hygiene measures :	the lavatory and at the end of the	noroughly after handling chemical products, before eating, smoking and using working period. Appropriate techniques should be used to remove Wash contaminated clothing before reusing. Ensure that eyewash stations we workstation location		
Eye/face protection :	Safety eyewear complying with an approved standard should be used when a risk assessment indicated this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. In contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.			
Skin protection				
Hand protection	Chemical-resistant, impervious gloves complying with and approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.			
Body protection :	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.			
Other skin protection		ditional skin protection measures should be selected based on the task being and should be approved by a specialist before handling this product.		

## Section 8. Exposure to controls/personal protection

**Respiratory protection** 

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

Appearance		
Physical state	:	Liquid. [Clear.]
Color	:	Colorless, light yellow, light pink, light blue or light orange.
Odor	:	Odorless.
Odor threshold	:	Not available.
рН	:	7 to 9.5.
Melting/freezing point	:	Not available.
Initial boiling point and boiling range	:	Not available.
Flash point	:	Does not flash.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive (flammable) limits	:	Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	Not available.
Partition coefficient: n-octanol/water	:	Not applicable.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Not available.
Flow time (ISO 2431)	:	Not available.
-		-

# Section 10. Stability and reactivity

Reactivity :		No specific test data related to reactivity for this product or its ingredients.
Chemical stability	:	The product is stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	No specific data.
Incompatible materials	:	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

## Information on toxicological effects

Acute toxicity				
Product/ingredient name	Result	Species	Dose	Exposure
Dimethyl sulfoxide	LD50 Dermal LD50 Oral	Rat Rat	40000 mg/kg 14500 mg/kg	-

## Irritation/Corrosion

There is no data available.

### Sensitization

There is no data available.

# Section 11. Toxicological information

Mutagenicity						
There is no data available.						
Carcinogenicity						
There is no data available.						
Reproductive toxicity						
There is no data available.						
Teratogenicity						
There is no data available.						
Specific Target organ toxicity (single exposure)						
There is no data available.						
Specific Target organ toxicity (repeated exposure)						
There is no data available.						
Aspiration hazard						
There is no data available.						
Information on the likely routes of exposure	:	Routes on	entry anticip	ated: Oral, De	rmal, Inhalatio	n.
Potential acute health effects						
Eye contact	:	No known	significant ef	fects or critica	Il hazards.	
Inhalation	:	No known	significant ef	fects or critica	Il hazards.	
Skin contact	:	No known	significant ef	fects or critica	Il hazards.	
Ingestion	:	No known	significant ef	fects or critica	I hazards.	
Symptoms related to the physical, chemical and toxicolo	ogical chara	cteristics				
Eye contact	:		significant ef	fects or critica	l hazards.	
Inhalation		: No known significant effects or critical hazards.				
Skin contact			-	fects or critica		
Ingestion	:	No known significant effects or critical hazards.				
Delayed and immediate effects and also chronic effects	from short	and long ter				
Short term exposure			III exposure			
Potential immediate effects		No known	significant ef	fects or critica	l hazards.	
Potential delayed effects	<ul> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> </ul>					
Long term exposure			0			
Potential immediate effects		No known	significant e	ffects or critica	al hazards.	
Potential delayed effects	<ul><li>No known significant effects or critical hazards.</li><li>No known significant effects or critical hazards.</li></ul>					
Potential chronic health effects						
General	:	No known	significant e	ffects or critica	al hazards.	
Carcinogenicity	: No known significant effects or critical hazards.					
Mutagenicity	No known significant effects or critical hazards.					
Reproductive toxicity	:	: No known significant effects or critical hazards.				
Numerical measures of toxicity						
Acute toxicity estimates						
				Inhalation	Inhalation	
Product/ingredient name		Oral (mg/kg)	Dermal (mg/kg)	(gases) (ppm)	(vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)

Dimethyl sulfoxide

N/A

14500

40000

N/A

N/A

## Section 12. Ecological information

Toxicity			
Product/ingredient name	Result	Species	Exposure
Dimethyl sulfoxide	Acute EC50 18299 μg/L Marine water Acute LC50 37.437 mg/L Marine water Acute LC50 25000 ppm Fresh water	Algae – Nitzschia pungens Crustaceans – Artemia sp. Daphnie – Daphnia magna – Neonate	96 hour 48 hours 48 hours
	Acute LC50 34000000 μg/L Fresh water Chronic NOEC 3323 μg/L Marine water Chronic NOEC 100 μl/L Fresh water	Fish – Pimephales promelas Algea – Nitzschia pungens Daphnia – Daphnia magna – Juvenile (Fledgling, Hatchling, Weanling)	96 hours 96 hours 21 days

### Persistence and degradability

There is no data available.

#### **Bioaccumulative potential**

Product/ingredient name	LogP	BCF	Potential
Dimethyl sulfoxide	-1.35	3.16	low

Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) Other adverse effects : Not available.

: No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** 

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solution and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental Hazards	No.	No.	No.

**AERG** : Not applicable

Special precautions for user

**user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transportation in bulk according to IMO instruments : Not available.

## Section 15. Regulatory information

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined. Clean Water Act (CWA) 311: Hydrochloric Acid. Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances

Clean Air Act Section 602 Class II Substances

- : Not listed
- Not listed

# Section 15. Regulatory information

DEA List I Chemicals (Precursor Chemicals) DEA List II Chemicals (Essential Chemicals) : Not listed

: Not listed

## SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
Name	70	EIIS	(lbs)	(gallons)	(lbs)	(gallons)
Hydrochloric acid	≤0.0025	Yes.	500	-	5000	-
SARA 304 RQ	277831623,1	lbs / 12613555	6,9 kg			
SARA 311/312						
Classification	Not applicabl	e.				
Composition/information on ingredients						
No products were found						
State regulations						
Massachusetts	None of the o	components are	listed.			
New York	None of the d	components are	listed.			
New Jersey	The compone	ents are listed: D	imethyl sulfoxi	de.		
Pennsylvania	None of the o	components are	listed.			
California Prop. 65	This product	does not require	e a Safe Harbor	warning under	<sup>-</sup> California Pro	p. 65.
International regulations						
Chemical Weapon Convention List Schedules	I. II & III Chemica	ls				
Not Listed.						
Montreal Protocol						
Not Listed.						
Stockholm Convention on Persistent Organic	Pollutants					
Not Listed.						
<b>Rotterdam Convention on Prior Informed Co</b>	nsent (PIC)					
Not Listed.						
UNECE Aarhus Protocol on POPs and Heavy	<u>Metals</u>					
Not Listed.						
Inventory list						
United States (TSCA 8b)	: All compone	nts are active or	exempted.			

# Section 16. Other information

## Procedure used to derive the classification

Classification	Justification
Not classified.	

<u>History</u>

Date of issue/Date of revision	:	4/15/2021
Date of previous issue	:	Not applicable.
Version	:	1
Internal code	:	651-005
Prepared by	:	Invivoscribe, Inc

# Section 16. Other information

Key to abbreviations	<ul> <li>ATE = Acute Toxicity Estimate</li> <li>BCF = Bioconcentration Factor</li> <li>GHS = Globally Harmonized System of Classification and Labelling of Chemicals</li> <li>IATA = International Air Transport Association</li> <li>IBC = Intermediate Bulk Container</li> <li>IMGD = International Maritime Dangerous Goods</li> </ul>
	N/A = Not available SGG = Segregation Group

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.