

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: HTRF LAG3/MHCII Bind. kit - Std 64LAG3CDA

Version: US, Page 1 of 12, Revision date: 07/09/2023

## SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier:

**Designation / Trade name: HTRF LAG3/MHCII Bind. kit - Std 64LAG3CDA**

CAS No.: Index No: EC No: REACH No:

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

Relevant identified uses: Use of the substance or mixture for Laboratory Research use only ;

Uses advised against: Do not use for diagnostics, therapeutics or other clinical uses. ;

### 1.3 Details of the supplier of the safety data sheet:

#### Supplier:

Name: CISBIO BIOASSAYS, company of Revvity Group - CBBIOA -

Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone : +33 4 66 79 67 05 - Fax : +33 4 66 79 67 50

E-Mail (competent person):  codolet.sds@revvity.com

### 1.4 EMERGENCY TELEPHONE NUMBER:

France - Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59

Ce numéro permet d'obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d'appel), 24 heures sur 24 et 7 jours sur 7.

USA & Canada - Phone: 1-888-963-456 (1)

Other countries - Phone: +33 (0) 466 796 737 (2)

<https://www.cisbio.com>

<https://www.revvity.com>

(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5

(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

## SECTION 2 : HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture:

Classification in accordance with 29 CFR 1910 (OSHA HCS)	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous in accordance with 29 CFR 1910 (OSHA HCS)	None	None	None

### 2.2 Label elements

Labelling according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

#### Product identifier:

Designation / Trade name: HTRF LAG3/MHCII Bind. kit - Std 64LAG3CDA

Substances contained in this product:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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Hazard pictograms

Signal word:

Hazard and precautionary statements:

### 2.3 Other hazards

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European Chemicals Agency (ECHA) under article 57 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006. ;

Adverse human health effects:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

#### Hazardous ingredients

Substance name	CAS n°	Index n°	EC n°	Classification in accordance with 1910 (OSHA HCS)	Concentration (%)	SCL	M-factor
4-(2-hydroxyethyl)piperazine-1-ethanesulphonic acid	7365459		2309079		< 3%		

#### Additional information:

Full text of hazard and EUH-phrases: see SECTION 1

## SECTION 4 : FIRST AID MEASURES

### 4.1 Description of first aid measures

General information Do not leave affected person unattended. ;

Following inhalation In case of respiratory irritation, consult a physician. ;

Following skin contact After contact with skin, wash immediately with water ;

Following eye contact After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time then consult an ophthalmologist immediately. ;

Following ingestion Do NOT induce vomiting. ;

Self-protection of the first aider

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

Symptoms No known symptoms to date. ;

Effects:

### 4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor:

## SECTION 5 : FIREFIGHTING MEASURES

### 5.1 Extinguishing media:

Suitable extinguishing media This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products/

### 5.3 Advice for firefighters

Wear Protective clothing. ;

Additional information:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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## SECTION 6 : ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Emergency procedures: Provide adequate ventilation. ;

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. ;

### 6.3 Methods and material for containment and cleaning up

For cleaning up suitable material for taking up: Absorbing material, organic ;  
Other information:

### 6.4 Reference to other sections

Additional information:

## SECTION 7 : HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Protective measures:

Advice on safe handling Avoid contact with skin, eyes and clothes. ;

Fire preventions

Do not eat, drink or smoke in areas where reagents are handled

Advice on general occupational hygiene: Handle in accordance with good industrial hygiene and safety practice ;

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and: Vessels container tightly closed. ;

Hints on storage assembly:

Materials to avoid:

Further information on storage conditions:

### 7.3 Specific end uses

Recommendations on specific end uses: Observe technical data sheet. ;

## SECTION 8 : EXPOSURE CONTROLS PERSONAL PROTECTION

### 8.1 Control parameters

Preliminary remark:

#### 8.1.1 Occupational exposure limits

< OSHA (USA)

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)

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Source : Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELs) from 29 CFR 1910.100						
Substance	EGNo.	CASNo	OSHA Permissible Exposure Limit (PEL) 8-hour TWA (ppm)	OSHA Permissible Exposure Limit (PEL) 8-hour TWA (mg/m <sup>3</sup> )	OSHA Permissible Exposure Limit (PEL) STEL (ppm)	OSHA Permissible Exposure Limit (PEL) STEL (mg/m <sup>3</sup> )
7365459 / 2309079	2309079	7365459				

Source : TRGS 903, November 2015, BAuA				
Substance	EGNo.	CASNo	BGW (mg/m <sup>3</sup> )	BGW (ppm)
7365459 / 2309079	2309079	7365459		

8.1.2 DNEL/PNEC values

< DNEL worker

Source : GESTIS substance database									
Substance	EGNo.	CASNo	Acute dermal, local effect (mg/kg/day)	Longterm dermal, local effects (mg/kg/day)	Longterm dermal, systemic effects (mg/kg/day)	Acute inhalation, local effects (mg/m <sup>3</sup> )	Acute inhalation, systemic effects (mg/m <sup>3</sup> )	Longterm inhalation, local effects (mg/m <sup>3</sup> )	Longterm inhalation, systemic effects (mg/m <sup>3</sup> )
7365459 / 2309079	2309079	7365459					23.5/23.5		

< DNEL consumer

Source : GESTIS substance database									
Substance	EGNo.	CASNo	Acute dermal, local effect (mg/kg/day)	Longterm dermal, local effects (mg/kg/day)	Longterm dermal, systemic effects (mg/kg/day)	Acute inhalation, local effects (mg/m <sup>3</sup> )	Acute inhalation, systemic effects (mg/m <sup>3</sup> )	Longterm inhalation, local effects (mg/m <sup>3</sup> )	Longterm inhalation, systemic effects (mg/m <sup>3</sup> )
7365459 / 2309079	2309079	7365459							

< PNEC

Source : INERIS																	
Substance	EGNo.	CASNo	PNEC AQUATIC									PNEC Sediment					
			freshwater			marine water			intermittent release			freshwater			marine water		
			(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)
7365459 / 2309079	2309079	7365459															

Source : INERIS																
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Substance	EGNo.	CASNo	Others													
			PNEC soil			PNEC sewage treatment plant			PNEC air			PNEC secondary poisoning				
			(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)		
7365459 / 2309079	2309079	7365459														

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment See section 7

8.2.2 Personal protective equipment

Eye / face protection Safety glasses with side shields ;

Skin protection Gloves ;

Respiratory protection Ensure adequate ventilation ;

Thermal hazards

8.2.3 Environmental exposure controls

Consumer exposure control

Measures related to consumer uses of the substance (as such or in mixtures):

Measures related to the service life of the substance in articles:

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical state	Liquid ;
Colour	Colorless ;
Odour	
Odour threshold (ppm)	

	Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
pH	7					
Melting point (°C)						
Freezing point (°C)						
Initial boiling point/boiling range (°C)						
Flash point (°C)						
Evaporation rate (kg/m <sup>3</sup> /h)						
Flammability (type %)						
Upper/lower flammability or explosion limits	Upper explosive limit (%)					
	Lower explosive limit (%)					
Vapour pressure (kPa)						
Vapour density (g/cm <sup>3</sup> )						
Densities	Density (g/cm <sup>3</sup> )					
	Relative density (g/cm <sup>3</sup> )					
	Bulk density (g/cm <sup>3</sup> )					
	Critical density (g/cm <sup>3</sup> )					
Solubility (Type : g/L)						
Partition coefficient (log Pow) n-octanol/water at pH :						
Autoignition temperature (°C)						

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Decomposition temperature (°C)						
Decomposition energy (J)						
Viscosity	Viscosity, dynamic (poiseuille)					
	Viscosity, cinematic (mm <sup>2</sup> /s)					
Explosive properties						
Oxidising properties						

9.2 Other information:  
 No other relevant data available

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity  
 This material is considered to be non-reactive under normal use conditions. ;

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

10.5 Incompatible materials

10.6 Hazardous decomposition products  
 Does not decompose when used for intended uses. ;

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

Substances

< Acute toxicity

Animal data

Acute oral toxicity:

Acute dermal toxicity:

Acute inhalative toxicity:

Practical experience / human evidence:  
 Assessment / Classification  
 General Remark

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- ◁ Skin corrosion/irritation

Animal data:

In-vitro skin test method:

In-vitro skin test result:

Assessment / Classification:

- ◁ Eye damage/irritation

Animal data

In vitro eye test method:

In vitro eye test result:

Assessment / Classification:

- ◁ CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity

Animal data:

Assessment / Classification:

- Carcinogenicity

Practical experience / human evidence:

Animal data

Other information

Assessment / Classification

- Reproductive toxicity

Practical experience / human evidence:

Animal data

Other information:

Assessment / Classification:

Overall assessment on CMR properties

- ◁ Specific target organ toxicity (single exposure)
  - STOT SE 1 and 2

Animal data:

Other information:

- STOT SE 3



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Practical experience / human evidence:

Other information:

Assessment / Classification:

- ◁ Specific target organ toxicity (repeated exposure)

Practical experience / human evidence:

Animal data:

Assessment / Classification

Other information

- ◁ Aspiration hazard

Practical experience / human evidence:

Experimental data/viscosity data: see SECTION 10

Assessment / Classification:

Remark:

#### 11.1.1 Mixtures

No toxicological information is available for the mixture itself

## SECTION 12 : ECOLOGICAL INFORMATION

In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the mixture classification has to be used (calculation method) in this case the toxicological data of the ingredients have to be used.

### 12.1 Aquatic toxicity

Acute (short term) fish toxicity

Chronic (long term) fish toxicity

Acute (short term) toxicity to crustacea

Chronic (long term) toxicity to crustacea

Acute (short term) toxicity to algae and cyanobacteria

Toxicity to microorganisms and other aquatic plants/organisms

Assessment / Classification:

### 12.2 Persistence and degradability

Biodegradation

Abiotic Degradation

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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Assessment / Classification

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information

SECTION 13 :DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste treatment options:  
 Dispose of waste according to applicable legislation. ;

Other disposal recommendations:  
 Additional information

SECTION 14 :TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)

Classification code:	Special Provisions for ADR/
Limited quantities for ADR/	Excepted Quantities for ADR/RID:
Packing Instructions for ADR/	
Special packing provisions for ADR/	
Mixed packing provisions:	Portable tanks and bulk containers instructions:
Portable tanks and bulk containers Special provisions:	
ADR Tank Code	ADR Tank special provisions
Vehicle for carriage	Special provisions for carriage
Special provisions for carriage Bulk	
Special provisions for carriage loading/unloading and handling	
Special Provisions for carriage Operation	
Hazard identification	Transport category (Tunnel restriction) code

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Sea transport (IMDG)

Marine Pollutant	Subsidiary risk(s) for IMDG
Packing provisions for IMDG:	Limited quantities for IMDG
Packing instructions for IMDG	IBC Instructions:
IBC Provisions:	IMO tank instructions:
UN tank instructions:	Tanks and bulk provisions:
Ems :	Stowage and segregation IMDG:
Properties and observations:	

Inland waterway transport (ADN)

Classification Code ADN:	Special Provision ADN:
Limited quantities ADN:	Excepted quantities ADN:
Carriage permitted:	Equipment required:
Provisions concerning loading/unloading:	
Provisions concerning carriage	Number of blue cones/lights
Remark:	

Air transport (ICAO/ IATA/ DGR)

Subsidiary risk for IATA	Excepted quantity for IATA
Passenger and Cargo Aircraft Limited quantities	Quarantine/Backing instructions
Passenger and Cargo Aircraft Limited quantities	Maximal Net Quantity
Passenger and Cargo Aircraft Packaging Instructions	
Passenger and Cargo Aircraft Maximal Net Quantity	
Cargo Aircraft only Packaging Instructions	
Cargo Aircraft only Maximal Net Quantity	
ERG code	Special Provisions for IATA

**SECTION 15 :REGULATORY INFORMATION**

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out :

**SECTION 16 :OTHER INFORMATION**

16.1 Indication of changes

Date of the previous version: 07/09/2023  
 Modifications:

16.2 Abbreviations and acronyms:

16.3 Key literature references and sources for data

16.4 Classification for mixtures and evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)

See SECTION 2.1 (classification).

16.5 Relevant R- and EUH-phrases (number and full text):

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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