

according to Regulation (EC) No 1907/2006 (REACH)

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

Version: UK, Page 1 of 13, Revision date: 07/09/2023

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

### 1.1 Product identifier:

**Designation / Commercial 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 according to Regulation (EC) No 1272/2008 [CLP]	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008	None	None	None

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

#### Product identifier:

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Substances contained in this product:

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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 P nor B criteria of the mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006. ;  
Adverse human health effects and symptoms:

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## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

#### Hazardous ingredients

Substance name	CAS n°	Index n°	EC n°	Classification according Regulation No. 1272 [CLP]	Concentration (%)	SCL	M-factor
4-(2-hydroxyethyl)piperazine-1-ethanesulphonic acid	7365459		2309079		< 3%		

#### Additional information:

Full text of hazard 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 tract 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. If irritation persists, 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 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. ;

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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

For cleaning: 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

Technical measures and storage conditions:

Requirements for storage rooms and containers: Keep 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

< France

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Substance	EGNo.	CASNo	VLE (mg/m3)	VLE (ppm)	VME (mg/m3)	VME (ppm)
7365459 / 2309079	2309079	7365459				

< Spain

Source :	Limites de Exposicion Profesional para Agentes Quimicos en Espana Instituto Nacional de Seguridad e Higiene en el Trabajo June 2015					
Substance	EGNo.	CASNo	VLAEC (mg/m3)	VLAEC (ppm)	VLAED (mg/m3)	VLAED (ppm)
7365459 / 2309079	2309079	7365459				

< Germany

Source :	TRGS 900, June 2015, BAuA					
Substance	EGNo.	CASNo	AGW (mg/m3)	AGW (ppm)		
7365459 / 2309079	2309079	7365459				

< Italia

< Greece

< UK

< OSHA (USA)

Source :	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000					
Substance	EGNo.	CASNo	OSHA Permissible Exposure Limit (PEL) 8-hour TWA (ppm)	OSHA Permissible Exposure Limit (PEL) 8-hour TWA (mg/m3)	OSHA Permissible Exposure Limit (PEL) STEL (ppm)	OSHA Permissible Exposure Limit (PEL) STEL (mg/m3)
7365459 / 2309079	2309079	7365459				

8.1.2 Biological limit value (Germany)

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Source :	List of recommended health-based biological limit values (BLVs) and biological guidance values (BGVs), June 2007			
Substance	EGNo.	CASNo	BLV (mg/m3)	BLV (ppm)
7365459 / 2309079	2309079	7365459		

8.1.3 Exposure limits at intended use (Germany)

Source :	TRGS 903, November 2015, BAuA			
Substance	EGNo.	CASNo	BGW (mg/m3)	BGW (ppm)
7365459 / 2309079	2309079	7365459		

8.1.4 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/m3)	Acute inhalation, systemic effects (mg/m3)	Longterm inhalation, local effects (mg/m3)	Longterm inhalation, systemic effects (mg/m3)
7365459 / 2309079	2309079	7365459					23.523.5		

< 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/m3)	Acute inhalation, systemic effects (mg/m3)	Longterm inhalation, local effects (mg/m3)	Longterm inhalation, systemic effects (mg/m3)
7365459 / 2309079	2309079	7365459							

DNEL remark

< 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)	
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												

PNEC remark:

Control parameters remark:

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls:

#### 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

## 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 (kJ)						
Viscosity	Viscosity, dynamic (poiseuille)					
	Viscosity, cinematic (mm <sup>2</sup> /s)					
Oxidising properties						
Explosive 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

- ◁ Skin corrosion/irritation

Animal data:



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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:

- ◁ CMReffects (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

Practical experience / human evidence:

Other information:

Assessment / Classification:

- ◁ Specific target organ toxicity (repeated exposure)

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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 done according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, mixture classification has to be used (calculation method) in this case the toxicological data of the ingredients are shown.

### 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 or organisms

Assessment / Classification:

### 12.2 Persistence and degradability

Biodegradation

Abiotic Degradation

Assessment / Classification

### 12.3 Bioaccumulative potential

Bioconcentration factor (BCF)

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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. ;

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 MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)

Classification code: Special Provisions for ADR/  
 Limited quantities for ADR/  
 Packing Instructions 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 tank carriage  
 Special provisions for carriage Packages  
 Special provisions for carriage Bags  
 Special provisions for carriage loading unloading and handling  
 Special Provisions for carriage Operation  
 Hazard identification: Transport category (Tunnel restriction code)

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:

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Inland waterway transport (ADN)

Classification Code:	Special Provision:
Limited quantities:	Excepted quantities:
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:	Passenger and Cargo Aircraft Limited quantities:
Passenger and Cargo Aircraft Limited quantities:	Passenger and Cargo Aircraft Limited quantities:
Passenger and Cargo Aircraft Packaging Instructions:	Passenger and Cargo Aircraft Packaging Instructions:
Passenger and Cargo Aircraft Maximal Net Quantity:	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  
EU regulations

◁ Authorisations and/or restrictions on use:

Authorisations:  
 Restrictions on use:  
 SVHC :

◁ Other EU regulations:

◁ Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:

For this mixture, no 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 Other informations

according to Regulation (EC) No 1907/2006 (REACH)

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16.3 Classification for mixtures and evaluation method according to regulation (EC) 1207/2008:  
See SECTION 2.1 (classification).

16.4 Relevant RH and EUH-phrases (number and full text):