

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

Designation / Commercial name : HTRF SMAD2 total kit - Ctrl lysate 64SMAD2TTDA

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

### 1.1 Product identifier:

**Designation / Commercial name : HTRF SMAD2 total kit - Ctrl lysate 64SMAD2TTDA**

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
Hazardous to the aquatic environment - Aquatic Chronic 3 - H412	Aquatic Chronic 3	H412	P273 P501

### 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:

Code	Hazard statements
H412	Harmful to aquatic life with long lasting effects
P273	Avoid release to the environment.
P501	Dispose of contents/container to ...

### 2.3 Other hazards

The mixture contains substances classified as 'Substances of Very High Concern' (SVHC) published by the European Chemicals Agency (ECHA) under article 57 of REACH at levels of 0.1% or higher. This substance or mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher ;

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 (EC) No. 1272 [CLP]	Concentration (%)	SCL	M-factor
4-(2-hydroxyethyl)piperazin-1-ylethanesulphonic acid	7365-45-9		230-907-9				
Poly(oxy-1,2-ethanediyl), $\alpha$ -[4-(1,1,3,3-tetramethylbutyl)phenyl]- $\omega$ -hydroxy-	9002-93-1			Acute toxicity - Acute Tox. 4 - H302 - Oral Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Serious eye damage/eye irritation - Eye Dam. 1 - H318 Skin corrosion/irritation - Skin Irrit. 2 - H315			
Poly (oxy-1,2-ethanediyl), $\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy-, branched	127087-87-0		500-315-8	Acute toxicity - Acute Tox. 4 - H302 - Oral Acute toxicity - Acute Tox. 4 - H332 - Inhalation Hazardous to the aquatic environment - Aquatic Chronic 2 - H411 Serious eye damage/eye irritation - Eye Dam. 1 - H318			1
sodium chloride	7647-14-5		231-598-3				
disodium dihydrogenpyrophosphate	7758-16-9		231-835-0	Serious eye damage/eye irritation - Eye Irrit. 2 - H319			
2-amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	1185-53-1		214-684-5				
Sodium pyrophosphate tetrabasic decahydrate	13472-36-1			Acute toxicity - Acute Tox. 4 - H302 - Oral Serious eye damage/eye irritation - Eye Dam. 1 - H318			
ethanol	64-17-5	603-002-00-5	200-578-6	Flammable liquid - Flam. Liq. 2 - H225			
trisodium tetraoxovanadate	13721-39-6		237-287-9	Acute toxicity - Acute Tox. 4 - H302 - Oral Acute toxicity - Acute Tox. 4 - H312 - Dermal Acute toxicity - Acute Tox. 4 - H332 - Inhalation Serious eye damage/eye irritation - Eye Irrit. 2 - H319 Skin corrosion/irritation - Skin Irrit. 2 - H315			

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CBB Substance	NOCAS4			Acute toxicity - Acute Tox. 4 - H302 - Oral Acute toxicity - Acute Tox. 4 - H332 - Inhalation Hazardous to the aquatic environment - Aquatic Chronic 3 - H412 Serious eye damage/eye irritation - Eye Dam. 1 - H318 Skin corrosion/irritation - Skin Irrit. 2 - H315 Specific target organ toxicity - single exposure - STOT SE 3 - H335			
sodium 3- $\alpha$ ,12- $\alpha$ -dihydroxy-5- $\beta$ -cholan-24-oate	302-95-4		206-132-7	Acute toxicity - Acute Tox. 4 - H302 - Oral			
Ethylenediamine-N,N,N1,N1-tetraacetic acid	6381-92-6			Acute toxicity - Acute Tox. 4 - H332 - Inhalation Specific target organ toxicity - repeated exposure - STOT RE 2 - H373			
$\beta$ -Glycerophosphate	13408-09-8						
ethylenebis(oxyethylenenitrilo)tetra(acetic acid)	67-42-5		200-651-2				
2-[2-[4-(2,4,5-trimethylhexan-3-yl)phenoxy]polyethoxy]ethanol, 2-[2-[4-(2,4,5-trimethylhexan-3-yl)phenoxy]polyethoxy]ethanol	68412-54-4		500-209-1	Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410			1
$\alpha$ -toluenesulphonyl fluoride	329-98-6		206-350-2	Acute toxicity - Acute Tox. 3 - H301 - Oral Serious eye damage/eye irritation - Eye Dam. 1 - H318 Skin corrosion/irritation - Skin Corr. 1B - H314			
Leupeptin	103476-89-7			Acute toxicity - Acute Tox. 4 - H302 - Oral Acute toxicity - Acute Tox. 4 - H312 - Dermal Acute toxicity - Acute Tox. 4 - H332 - Inhalation			

**Additional information:**

Full text of H- and EUH-phrases: see SECTION 16.

**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 ;

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**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 fire-fighters**

Wear Protective clothing. ;

## **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. ;

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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 vessels: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

Source :		Informations relatives à la réglementation VME (France) : ED 984, 07.2012				
Substance	EC-No.	CAS-No	VLE (mg/m3)	VLE (ppm)	VME (mg/m3)	VME (ppm)
13472-36-1		13472-36-1			5	
13721-39-6 / 237-287-9	237-287-9	13721-39-6				
6381-92-6		6381-92-6				
64-17-5 / 200-578-6	200-578-6	64-17-5	9500	5000	1900	1000
68412-54-4 / 500-209-1	500-209-1	68412-54-4				
7365-45-9 / 230-907-9	230-907-9	7365-45-9				
7647-14-5 / 231-598-3	231-598-3	7647-14-5				
7758-16-9 / 231-835-0	231-835-0	7758-16-9				

- Spain

Source :		Limites de Exposicion Profesional para Agentes Quimicos en Espana Instituto Nacional de Seguridad e Higiene en el Trabajo June 2015				
Substance	EC-No.	CAS-No	VLA-EC (mg/m3)	VLA-EC (ppm)	VLA-ED (mg/m3)	VLA-ED (ppm)
13472-36-1		13472-36-1				

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13721-39-6 / 237-287-9	237-287-9	13721-39-6			
6381-92-6		6381-92-6			
64-17-5 / 200-578-6	200-578-6	64-17-5	1,91	1	
68412-54-4 / 500-209-1	500-209-1	68412-54-4			
7365-45-9 / 230-907-9	230-907-9	7365-45-9			
7647-14-5 / 231-598-3	231-598-3	7647-14-5			
7758-16-9 / 231-835-0	231-835-0	7758-16-9			

- Germany

Source :		TRGS 900, June 2015, BAuA		
Substance	EC-No.	CAS-No	AGW (mg/m3)	AGW (ppm)
13472-36-1		13472-36-1		
13721-39-6 / 237-287-9	237-287-9	13721-39-6		
6381-92-6		6381-92-6		
64-17-5 / 200-578-6	200-578-6	64-17-5	960	500
68412-54-4 / 500-209-1	500-209-1	68412-54-4		
7365-45-9 / 230-907-9	230-907-9	7365-45-9		
7647-14-5 / 231-598-3	231-598-3	7647-14-5		
7758-16-9 / 231-835-0	231-835-0	7758-16-9		

- Italia
- Greece
- UK
- OSHA (USA)

Source :	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000
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Substance	EC-No.	CAS-No	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)
13472-36-1		13472-36-1				
13721-39-6 / 237-287-9	237-287-9	13721-39-6				0,05
6381-92-6		6381-92-6				
64-17-5 / 200-578-6	200-578-6	64-17-5	1000	1900		
68412-54-4 / 500-209-1	500-209-1	68412-54-4				
7365-45-9 / 230-907-9	230-907-9	7365-45-9				
7647-14-5 / 231-598-3	231-598-3	7647-14-5				
7758-16-9 / 231-835-0	231-835-0	7758-16-9				

### 8.1.2 Biological limit values (Germany):

Source :		List of recommended health-based biological limit values (BLVs) and biological guidance values (BGVs), June 2014			
Substance	EC-No.	CAS-No	BLV (mg/m3)	BLV (ppm)	
13472-36-1		13472-36-1			
13721-39-6 / 237-287-9	237-287-9	13721-39-6			
6381-92-6		6381-92-6			
64-17-5 / 200-578-6	200-578-6	64-17-5			
68412-54-4 / 500-209-1	500-209-1	68412-54-4			
7365-45-9 / 230-907-9	230-907-9	7365-45-9			
7647-14-5 / 231-598-3	231-598-3	7647-14-5			
7758-16-9 / 231-835-0	231-835-0	7758-16-9			

### 8.1.3 Exposure limits at intended use (Germany):

Source :		TRGS 903, November 2015, BAuA			
Substance	EC-No.	CAS-No	BGW (mg/m3)	BGW (ppm)	
13472-36-1		13472-36-1			
13721-39-6 / 237-287-9	237-287-9	13721-39-6			
6381-92-6		6381-92-6			
64-17-5 / 200-578-6	200-578-6	64-17-5			
68412-54-4 / 500-209-1	500-209-1	68412-54-4			
7365-45-9 / 230-907-9	230-907-9	7365-45-9			



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7647-14-5 / 231-598-3	231-598-3	7647-14-5		
7758-16-9 / 231-835-0	231-835-0	7758-16-9		

8.1.4 DNEL/PNEC-values:

- DNEL worker

Source :		GESTIS – substance database							
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	Long-term – dermal, systemic effects (mg/kg/day)	Acute – inhalation, local effects (mg/m3)	Acute – inhalation, systemic effects (mg/m3)	Long-term – inhalation, local effects (mg/m3)	Long-term – inhalation, systemic effects (mg/m3)
13472-36-1		13472-36-1					2.79-2.79		
13721-39-6 / 237-287-9	237-287-9	13721-39-6							
6381-92-6		6381-92-6				1.5-1.5			
64-17-5 / 200-578-6	200-578-6	64-17-5					950-950		
68412-54-4 / 500-209-1	500-209-1	68412-54-4					4.7-4.7		
7365-45-9 / 230-907-9	230-907-9	7365-45-9					23.5-23.5		
7647-14-5 / 231-598-3	231-598-3	7647-14-5					2068.62-2068.62		
7758-16-9 / 231-835-0	231-835-0	7758-16-9					2.79-2.79		

- DNEL consumer

Source :		GESTIS – substance database							
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	Long-term – dermal, systemic effects (mg/kg/day)	Acute – inhalation, local effects (mg/m3)	Acute – inhalation, systemic effects (mg/m3)	Long-term – inhalation, local effects (mg/m3)	Long-term – inhalation, systemic effects (mg/m3)
13472-36-1		13472-36-1							
13721-39-6 / 237-287-9	237-287-9	13721-39-6							
6381-92-6		6381-92-6							
64-17-5 / 200-578-6	200-578-6	64-17-5							
68412-54-4 / 500-209-1	500-209-1	68412-54-4							
7365-45-9 / 230-907-9	230-907-9	7365-45-9							
7647-14-5 / 231-598-3	231-598-3	7647-14-5							
7758-16-9 / 231-835-0	231-835-0	7758-16-9							



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7647-14-5 / 231-598-3	231-598-3	7647-14-5												
7758-16-9 / 231-835-0	231-835-0	7758-16-9												

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>2</sup> /h)						
Flammability (type : ) (%)						
Upper/lower flammability or explosive 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 :						
Auto-ignition temperature (°C)						

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Decomposition temperature (°C)						
Decomposition energy : kJ						
Viscosity	Viscosity, dynamic (poiseuille)					
	Viscosity, cinematic (cm <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:

Substance name	LD50 (mg/kg)	Species	Method	Symptoms / delayed effects	Remark
127087-87-0 / 500-315-8					Data lacking.
9002-93-1	1800-1800	Rat			

Acute dermal toxicity:

Acute inhalative toxicity:

Substance name	C(E)L50 (mg/L)	Exposure time	Species	Method	Remark
127087-87-0 / 500-315-8					

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Practical experience / human evidence:

Assessment / Classification:

General Remark:

- **Skin corrosion/irritation**

Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
9002-93-1						

In-vitro skin test method:

In-vitro skin test result:

Assessment / Classification:

- **Eye damage/irritation**

Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
127087-87-0 / 500-315-8						
9002-93-1	Rabbit			Eye irritation		

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:



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9002-93-1		9002-93-1	8,9	96	Pimephales promelas (fathead minnow)				
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Chronic (long-term) fish toxicity

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012								
Substance	EC-No.	CAS-No	NOEC (mg/L)	Test duration	Species	Method	Remark	General Remark	
127087-87-0 / 500-315-8	500-315-8	127087-87-0							
9002-93-1		9002-93-1							

Acute (short-term) toxicity to crustacea

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012								
Substance	EC-No.	CAS-No	EC50 (mg/L)	Test duration	Species	Result/Evaluation	Method	Remark	General Remark
127087-87-0 / 500-315-8	500-315-8	127087-87-0							
9002-93-1		9002-93-1	26	48					

Chronic (long-term) toxicity to crustacea

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012								
Substance	EC-No.	CAS-No	NOEC (mg/L)	Test duration	Species	Method	Remark	General Remark	
127087-87-0 / 500-315-8	500-315-8	127087-87-0							
9002-93-1		9002-93-1							

Acute (short-term) toxicity to algae and cyanobacteria

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012								
Substance	EC-No.	CAS-No	EC50 (mg/L)	Test duration	Species	Result/Evaluation	Method	Remark	General Remark
127087-87-0 / 500-315-8	500-315-8	127087-87-0							
9002-93-1		9002-93-1							

Toxicity to microorganisms and other aquatic plants / organisms

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012								
Substance	EC-No.	CAS-No	EC50 (mg/L)	Species	Method	Remark	General Remark		
127087-87-0 / 500-315-8	500-315-8	127087-87-0							
9002-93-1		9002-93-1							

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### 12.2 Persistence and degradability

#### Biodegradation:

Source : Informations relatives à la réglementation VME (France) : ED 984, 07.2012							
Substance	EC-No.	CAS-No	Inoculum	Biodegradation parameter	Degradation rate (%)	Method	Remark
127087-87-0 / 500-315-8	500-315-8	127087-87-0					
9002-93-1		9002-93-1		BOD (% of COD).	36-36		In accordance with the required stability the product is poorly biodegradable.

#### Abiotic Degradation:

Source :								
Substance	EC-No.	CAS-No	Abiotic degradation test type	Half-life time (j)	Temperature (°C)	pH	Method	Remark
127087-87-0 / 500-315-8	500-315-8	127087-87-0						
9002-93-1		9002-93-1						

#### Assessment / Classification:

### 12.3 Bioaccumulative potential

#### Bioconcentration factor (BCF):

Source :						
Substance	EC-No.	CAS-No	Species	Result	Method	Remark
127087-87-0 / 500-315-8	500-315-8	127087-87-0				
9002-93-1		9002-93-1				

### 12.4 Mobility in soil

Source :											
Substance	EC n°	CAS n°	Distribution	Transport type	Henry's law constant (Pa.m <sup>3</sup> /mol)	Log KOC	Half-life time in soil (j)	Half-life time in fresh water (j)	Half-life time in sea water (j)	Method	Remark
127087-87-0 / 500-315-8	500-315-8	127087-87-0									
9002-93-1		9002-93-1									

### 12.5 Results of PBT and vPvB assessment



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

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**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 II of MARPOL 73/78 and the IBC Code**

Land transport (ADR/RID)

Classification code ADR:	Special Provisions for ADR/RID:
Limited quantities for ADR/RID:	Excepted Quantities for ADR/RID:
Packing Instructions for ADR/RID:	Special packing provisions for ADR/RID:
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 Bulk:	
Special provisions for carriage for loading, unloading and handling:	
Special Provisions for carriage Operation:	
Hazard identification No:	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 for IMDG:
Properties and observations:	

Inland waterway transport (ADN)

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

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

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#### Air transport (ICAO-TI / IATA-DGR)

Subsidiary risk for IATA: Excepted quantity for IATA:  
 Passenger and Cargo Aircraft Limited Quantities Packing 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

#### EU regulations

- Authorisations and/or restrictions on use:

Authorisations: 9002-93-1

Restrictions on use: 127087-87-0 / 500-315-8

SVHC :127087-87-0 / 500-315-8

64-17-5 / 200-578-6

9002-93-1

- 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:10/10/2023

Modifications:

### 16.2 Other informations

### 16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

See SECTION 2.1 (classification).

### 16.4 Relevant R-, H- and EUH-phrases (number and full text):

Code	Hazard statments
H225	Highly flammable liquid and vapour

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

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H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage.
H319	Causes serious eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs ( state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects