



# STEARATE DE ZINC

## Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis  
Reference number: STEARATE ZINC  
Issue date: 11/10/2020 Revision date: 11/10/2020 Supersedes version of: 5/20/2015 Version: 4.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Substance  
Substance name : STEARATE DE ZINC  
EC-No. : 293-049-4  
CAS-No. : 91051-01-3  
REACH registration No : 01-2119513214-54  
Product code : STEARATE ZINC

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Stabilizing/ regulating process auxiliary/ impregnating agents/ complexants/ lubricants, greases and release agents/ surfactants

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of product safety information sheet

INTERCHIMIE  
ZAC du Parc  
13 rue Louis Blériot  
FR- 77290 COMPANS  
T T: +33 (0)1 64 77 76 27  
[qualite@interchimie.fr](mailto:qualite@interchimie.fr) - [www.interchimie.fr](http://www.interchimie.fr)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

No labelling applicable

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

CAS-No. : 91051-01-3  
EC-No. : 293-049-4

# STEARATE DE ZINC

## Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Name	Product identifier	%
acides gras en C16-18, sels de zinc	(CAS-No.) 91051-01-3 (EC-No.) 293-049-4 (REACH-no) 01-2119513214-54	≥ 100

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: If you feel unwell, seek medical advice. Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash with soapy water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: If eye irritation persists: Get medical advice/attention. Immediately rinse with water for a prolonged period while holding the eyelids wide open.
First-aid measures after ingestion	: Rinse mouth. Get medical advice/attention if you feel unwell.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
------------------	--

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Water spray. Foam. Dry powder. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Metal oxides.
--	---

### 5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment.
Other information	: Prevent fire fighting water from entering the environment.

## SECTION 6: Accidental release measures

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

General measures	: Evacuate area. Avoid raising dust.
------------------	--------------------------------------

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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

Methods for cleaning up	: Mechanically recover the product.
-------------------------	-------------------------------------

# STEARATE DE ZINC

## Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : This product is not considered to be hazardous.  
Hygiene measures : Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse.

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

Storage conditions : Direct sunlight. Heat sources. Protect from moisture. Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

STEARATE DE ZINC (91051-01-3)	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	830 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	50 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	8.3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	25 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	833 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	20.6 µg/L
PNEC aqua (marine water)	6.1 µg/L
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	117.8 mg/kg dwt
PNEC sediment (marine water)	56.5 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	35.6 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	0.052 mg/l

### 8.2. Exposure controls

#### Hand protection:

Protective gloves. EN 374

# STEARATE DE ZINC

## Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR), Butyl rubber, Fluoroelastomer (FKM)				

### Eye protection:

In case of dust production: protective goggles

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Dust mask	Type P1		

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Crystals. Powder.
Colour	: white.
Odour	: slight. characteristic.
Odour threshold	: No data available
pH	: 7 – 9 (20°C, APAG-MS-004)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: ≥ 118.122 °C (method OCDE 102)
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: 460 °C (VDE 0165)
Decomposition temperature	: ≈ 330 °C
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: 1.03 g/cm <sup>3</sup> (OCDE 109)
Relative density	: No data available
Solubility	: Soluble in organic solvents. Water: 0.9 mg/l (20°C)
Partition coefficient n-octanol/water (Log Pow)	: 1.2 (zinc stearate 557-05-1)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No dangerous reactions known.
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable at normal handling and storage conditions.

# STEARATE DE ZINC

## Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

### 10.4. Conditions to avoid

Dust explosion hazard in air.

### 10.5. Incompatible materials

Strong bases. Strong oxidizing agents. Acids. Peroxides.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. fume.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### STEARATE DE ZINC (91051-01-3)

LD50 oral rat	> 5000 mg/kg (OCDE 401)
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 50 mg/l/4h

Skin corrosion/irritation : Not classified  
pH: 7 – 9 (20°C, APAG-MS-004)  
Serious eye damage/irritation : Not classified  
pH: 7 – 9 (20°C, APAG-MS-004)  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

# STEARATE DE ZINC

## Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

### STEARATE DE ZINC (91051-01-3)

LC50 fish 1	> 10000 mg/l 96h - Danio rerio (EU method C1)
EC50 Daphnia 1	> 100 mg/l 48h OCDE 202

### 12.2. Persistence and degradability

#### STEARATE DE ZINC (91051-01-3)

Persistence and degradability	Biodegradable.
Biodegradation	≥ 93 % (OCDE 301D)

### 12.3. Bioaccumulative potential

#### STEARATE DE ZINC (91051-01-3)

Partition coefficient n-octanol/water (Log Pow)	1.2 (zinc stearate 557-05-1)
Bioaccumulative potential	Bioaccumulation unlikely.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### STEARATE DE ZINC (91051-01-3)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
European List of Waste (LoV) code : 07 07 99 - wastes not otherwise specified

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

# STEARATE DE ZINC

## Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

STEARATE DE ZINC is not on the REACH Candidate List

STEARATE DE ZINC is not on the REACH Annex XIV List

STEARATE DE ZINC is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

STEARATE DE ZINC is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to VwVwS, Annex 3; ID No. 5943)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : STEARATE DE ZINC is listed

SZW-lijst van mutagene stoffen : STEARATE DE ZINC is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

### 15.2. Chemical safety assessment

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

## SECTION 16: Other information

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Data sources : This MSDS has been established with data of MSDS coming from upstream suppliers.

SDS EU (REACH Annex II)