

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Version no. : 2.0  
Prepared on : 16.03.2026  
Revised on : -

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

### 1.1 Product identifiers

**Product name** Hydrocortisone Aceponate  
**Product Number** PSR50365  
**Brand** PureSynth research chemicals  
**CAS No.** 86401-95-8

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

**Identified uses** : Laboratory chemicals, Manufacture of substances

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

**Company** PureSynth Research Chemicals GmbH  
64683 Einhausen Marie-Curie-Str. 3, Germany

### 1.4 Emergency telephone number

**Worldwide Helpline No.:** 1800-8908-260

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification under CLP according to (EC) 1272/2008**

H315 Skin Irr. 2  
H319 Eye Irr. 2A  
H335 STOT SE 3  
H336 STOT SE 3

### 2.2 Label elements

**Labelling according Regulation (EC) No 1272/2008**

**Pictogram**



**Signal word**

Warning

**Hazard statement(s)**

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation  
H336 May cause drowsiness or dizziness

**Precautionary statement(s)**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: wash with plenty of water

P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P264	Do not breathe fume.

### 2.3 Other hazards:

This substance is not identified as a PBT substance

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

Common names & Synonyms	Mol. formula	CAS number
(11beta)-21-(acetyloxy)-11-hydroxy-3,20-dioxopregn-4-en-17-yl propionate	C <sub>26</sub> H <sub>36</sub> O <sub>7</sub>	86401-95-8
Component	Classification	Concentration
Hydrocortisone Aceponate	H315, Skin Irr. 2 H319, Eye Irr. 2A H335, STOT SE 3 H336, STOT SE 3	96.0 %

## SECTION 4: First aid measures

### Description of first aid measures

#### General advice

Show this safety data sheet to the doctor in attendance.

#### If inhaled

Consult a doctor. Remove casualty from exposure ensuring one's own safety whilst doing so.

#### In case of skin contact

Consult a doctor. Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

#### In case of eye contact

Consult a doctor. Bathe the eye with running water for 15 minutes.

#### If swallowed

Consult a doctor. Wash out mouth with water

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

##### Skin contact:

There may be irritation and redness at the site of contact.

##### Eye contact:

The eyes may water profusely. There may be irritation and redness.

##### Ingestion:

There may be soreness and redness of the mouth and throat.

##### Inhalation:

Exposure may cause coughing or wheezing. There may be irritation of the throat with a feeling of tightness in the chest.

##### Delayed / immediate effects:

Immediate effects can be expected after short-term exposure.

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

Eye bathing equipment should be available on the premises.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media

Suitable extinguishing media for the surrounding fire should be used.

<b>Unsuitable extinguishing media</b>	No data available
<b>Special hazards arising from the substance or mixture</b>	In combustion emits toxic fumes.
<b>Advice for fire-fighters</b>	Wear protective clothing to prevent contact with skin and eyes. Wear self-contained breathing apparatus.
<b>Further information</b>	No data available

#### SECTION 6: Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Do not create dust. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Refer to section 8 of SDS for personal protection details.
<b>Environmental precautions</b>	Do not discharge into drains or rivers.
<b>Methods and materials for containment and cleaning up</b>	Transfer to a closable, labelled salvage container for disposal by an appropriate method.
<b>Reference to other sections</b>	Refer to section 8 of SDS.

#### SECTION 7: Handling and storage

<b>Precautions for safe handling</b>	<b>Handling requirements</b> Avoid direct contact with the substance. Avoid the formation or spread of dust in the air. Do not handle in a confined space. Ensure there is sufficient ventilation of the area.
<b>Conditions for safe storage, including any incompatibilities</b>	Avoid contact with water or humidity. Keep container tightly closed. Store in cool, well ventilated area.
<b>Specific end use(s)</b>	No data available.

#### SECTION 8: Exposure controls / Personal protection

<b>Control parameters</b>	No workplace exposure limit control parameters set
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	Ensure there is sufficient ventilation of the area.
<b>Personal protective equipment:</b>	
<b>Eye / face protection</b>	Ensure eye bath is to hand. Safety glasses.
<b>Skin protection</b>	Protective clothing.
<b>Hand protection</b>	Protective gloves.
<b>Respiratory protection</b>	Respiratory protective device with particle filter. Self-contained breathing apparatus must be available in case of emergency.
<b>Control of environmental exposure</b>	Do not let product enter drains.

## SECTION 9: Physical and chemical properties

<b>Appearance</b>	Form: Solid Colour: White
<b>Odour</b>	No data available
<b>pH - Value</b>	No data available
<b>Density</b>	No data available
<b>Boiling Point</b>	No data available
<b>Melting Point</b>	No data available
<b>Solubility in water</b>	No data available
<b>Flash point</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Auto -ignition temperature</b>	No data available
<b>Vapour density</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Partition coefficient: n- octanol / water</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Upper / lower flammability or explosive limits</b>	No data available
<b>Oxidizing properties</b>	No data available

**Other safety information:** No data available

## SECTION 10: Stability and reactivity

<b>Reactivity</b>	Stable under recommended transport or storage conditions.
<b>Chemical stability</b>	Stable under normal conditions
<b>Possibility of hazardous reactions</b>	Decomposition may occur on exposure to conditions or materials listed below. Hazardous reactions will not occur under normal transport or storage conditions.
<b>Condition to avoid</b>	Heat.
<b>Incompatible materials</b>	Strong acids. Strong oxidising agents
<b>Hazardous decomposition products</b>	No data available

## SECTION 11: Toxicological information

<b>Acute toxicity</b>	No data available.
<b>Skin corrosion/irritation</b>	Skin corrosion/irritation (Category 2)
<b>Serious eye damage/eye irritation</b>	Serious eye damage/eye irritation (Category 2A)
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3)

<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Additional Information</b>	This product does not contain known or suspected endocrine disruptors according to REACH or relevant EU Regulations

## SECTION 12: Ecological information

### Toxicity

Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available
Toxicity to bacteria	No data available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	No data available

**Persistence and degradability** Biodegradable.

**Bioaccumulation** No bioaccumulation potential.

**Mobility in soil** No data available.

**Results of PBT and vPvB assessment** This substance is not identified as a PBT substance.

**Endocrine disrupting properties** This substance is not identified as having endocrine disrupting properties

**Other adverse effects** No data available

## SECTION 13: Disposal considerations

### Waste treatment methods

### Disposal operations

Transfer to a suitable container and arrange for collection by specialised disposal company.

#### NB

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## SECTION 14: Transport information

	UN no.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>ADR / RID</b>	-	Not dangerous goods	-	-	-
<b>IMDG</b>	-	Not dangerous goods	-	-	-
<b>IATA</b>	-	Not dangerous goods	-	-	-

## SECTION 15: Regulatory information

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

This Safety Data Sheet is prepared in accordance with Commission Regulation (EC) 1907/2006, amended by Commission Regulation (EU) 2020/878.

#### Authorisations/Restrictions

Regulation (EC) 1907/2006, REACH, Annex XIV list of substances subject to authorisation: No data available.

Regulation (EC) 1907/2006, REACH, Annex XVII restrictions on the manufacture, placing on the market and use of certain dangerous substances: No data available.

Regulation (EC) 1005/2009 on substances that deplete the ozone layer: Not applicable

Regulation (EC) 850/2004 on persistent organic pollutants, amended by (EU) No 2019/1021:

Not applicable

### 15.3 Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## SECTION 16: Other information

The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The user must be determined suitability of this information for his application.