



# MATERIAL SAFETY DATA SHEET

Date of preparation: 20.10.2004

Revision date: 01.06.2015

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

### 1.1. Product identifier

**CORMAY LIPASE (Catalogue no 1-309)**  
**PRESTIGE 24i LQ LIPASE (Version 24) (Catalogue no 4-185)**  
**PRESTIGE 24i LQ LIPASE (Version 36) (Catalogue no 4-329)**  
**ACCENT-300 LIPASE (Catalogue no 7-309)**  
**ACCENT-200 LIPASE (Catalogue no 7-209)**  
**HC-LIPASE (Catalogue no 4-556)**  
**A-400 LIPASE (Catalogue no 7-409)**  
**OS-LIPASE (Catalogue no 9-426)**  
**BIOLIS 12i LIPASE (Catalogue no 4-618)**  
**BIOLIS 50i LIPASE (Catalogue no 5-525)**  
**BIOLIS 15i LIPASE (Catalogue no 4-718)**

The sets: CORMAY LIPASE, PRESTIGE 24i LQ LIPASE, HC-LIPASE, ACCENT-300 LIPASE ACCENT-200 LIPASE, A-400 LIPASE, OS-LIPASE, BIOLIS 12i LIPASE, BIOLIS 50i LIPASE, BIOLIS 15i LIPASE are designed for Health Service laboratories for the determination of lipase activity.

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

Laboratory reagents. For professional use only.

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

**Manufacturer:**

**PZ CORMAY S.A.**  
**ul. Wiosenna 22**  
**05-092 ŁOMIANKI**

**phone/fax. (0-22) 751 79 10, 751 79 14**

between: 8 am and 4 pm

**e-mail: msds@cormay.pl**

### 1.4. Emergency telephone number

Emergency telephone number: 112

## ***SECTION 2: Hazards identification***

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

The mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008 (CLP).

### **2.2. Label elements**

The mixture do not require to be labeled as hazardous.

### **2.3. Other hazards**

This mixture do not meet the criteria for PBT and vPvB.

## ***SECTION 3: Composition/information on ingredients***

### **3.1. Substances**

Not applicable.

### **3.2. Mixtures**

#### **1-REAGENT**

**Sodium 3- $\alpha$ , 12- $\alpha$ -dihydroxy-5- $\beta$ -cholan-24-oate**

Contains: < 2.5%

CAS number: 302-95-4

EC number: -----

Index number: -----

Registration number: not available

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

Acute Tox.4, H302

The full text of H phrases is given in section 16.

## ***SECTION 4: First aid measures***

### **4.1. Description of first aid measures**

After inhalation remove exposed individual to fresh air. Call physician.

After skin contamination: wash off with plenty of water. Take off the contaminated clothing.

After contamination of eyes: rinse out with plenty of water for at least 15 minutes with the eyelid held wide open.

After consumption: give the individual, copious amounts of water to drink, if condition does not improve or becomes worse, consult physician immediately.

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

No data available.

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

No data available.

### ***SECTION 5: Firefighting measures***

#### **5.1. Extinguishing media**

The mixture is non-flammable.  
In the case of fire use extinguishing media suitable for materials stored in immediate vicinity. Water, CO<sub>2</sub>, dry powder can be used as the extinguish media.  
Not recommended extinguishing media: no data available

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

There is no data about hazardous substances which may occur during fire thermal decomposition of the mixture.

#### **5.3. Advice for firefighters**

The rescuers must be equipped with protective clothing and respiratory tract isolating equipment, irrespective of ambient air (in the case of large fire).

### ***SECTION 6: Accidental release measures***

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

##### *6.1.1. For non-emergency personnel*

Avoid contamination with the preparation.  
Notify the effected individuals of the emergency, to be aware of the issues associated.  
Do not inhale vapours/ aerosols.  
Secure the flow of fresh air into closed rooms.  
Avoid contact of the mixture with skin and eyes.  
Remove contaminated clothing and wash before reuse.

##### *6.1.2. For emergency responders*

Wear protective clothing and rubber gloves.

#### **6.2. Environmental precautions**

Dilute with plenty of water. Avoid entering the product into drains, surface water and groundwater, reservoirs and waterways.

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

Collect small quantities with the use of an absorbing agent (sand, diatomite, acid binders, universal binders, sawdust), rinse with large amount of water if necessary. Provide material collected for recycling.

### **6.4. Reference to other sections**

Use the control measures and personal protective equipment described in section 8 of this MSDS. Refer to section 13 of this MSDS for adequate release measures.

## ***SECTION 7: Handling and storage***

### **7.1. Precautions for safe handling**

While working with the preparation, one should use appropriate means of personal protection (see pt. 8).

Avoid contact of the preparation with skin and eyes, as well as inhaling its mists.

Secure efficient local ventilation.

#### **Industrial hygiene:**

Eating, drinking or smoking of tobacco is prohibited while working with the preparation, except in places.

Wash your hands after work with the substance carefully with soapy water. Apply skin-protective barrier cream.

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

In accordance with the norms generally accepted for chemicals in laboratories.

Store in original manufacturer containers.

Store in closed containers at temperatures compatible with the information provided on the label.

Protect against light.

Protect containers from damage.

Keep away from food and animal feed.

### **7.3. Specific end use(s)**

No data available.

## ***SECTION 8: Exposure controls/personal protection***

### **8.1. Control parameters**

Do not contain materials with occupational exposure limit values at workplace.

### **8.2. Exposure controls**

#### ***8.2.1. Appropriate engineering controls***

No data available.

#### ***8.2.2. Individual protection measures, such as personal protective equipment***

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

**a) Eye / Face protection:**

Avoid direct contact of the product with eyes, wear safety glasses.

**b) skin protection:****- hand protection:**

Avoid direct contact of the product with skin, immediately take off clothes soiled with the preparation and wash contaminated skin with soapy water, use personal protective, clothing and gloves.

**c) Respiratory protection:**

Use reagent in well-ventilated rooms, avoid inhaling product mists, respiratory tract-protective agents are not required.

**d) Thermal hazards:**

Not applicable.

**8.2.3. Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

	<u>1-REAGENT</u>	<u>2-REAGENT</u>
a) Appearance :- -The physical state : -Colour:	Clear liquid yellow	liquid yellowish brown
b) Odour:	slightly characteristic	weak, like alcohol
c) Odour threshold :	no data available	no data available
d) pH:	8.3	5.5
e) Melting point/freezing point	no data available	no data available
f) Initial boiling point and boiling range	no data available	no data available
g) Flash point:	no data available	no data available
h) Evaporation rate:	no data available	no data available
i) Flammability (solid, gas)	not applicable	not applicable
j) Upper/lower flammability or explosive limits :	no data available	no data available
k) Vapour pressure :	no data available	no data available
l) Vapour density :	no data available	no data available
m) Relative density:	no data available	no data available
n) Solubility(ies)	miscible with water	miscible with water
o) Partition coefficient: n-octanol/water	no data available	no data available
p) Auto-ignition temperature	no data available	no data available
q) Decomposition temperature:	no data available	no data available
r) Viscosity :	no data available	no data available
s) Explosive properties:	no data available	no data available

**9.2. Other information**

No other relevant information.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

The product is stable in conditions provided by the manufacturer.

## 10.2. Chemical stability

The product is stable when normal handling in accordance with conditions provided by the manufacturer.

## 10.3. Possibility of hazardous reactions

Not known.

## 10.4. Conditions to avoid

The product is stable in conditions provided by the manufacturer. Avoid light and heat, shock or vibration, Contact with lead and acid.

## 10.5. Incompatible materials

Strong acid materials, Oxidizing agents.

## 10.6. Hazardous decomposition products

Not known.

# ***SECTION 11: Toxicological information***

## 11.1. Information on toxicological effects

**No data for the mixture. Toxicological problems should not be expected if the product were used and applied appropriately. The product should be handled with the care usual when dealing with chemicals. The mixture toxicity evaluation is based on evaluation of the toxicity of particular components.**

### **a) acute toxicity:**

No data available.

### **b) irritation:**

No data available.

### **c) corrosivity:**

No data available.

### **d) sensitisation:**

No data available.

### **e) repeated dose toxicity:**

No data available.

### **f) carcinogenicity:**

No data available.

### **g) mutagenicity:**

No data available.

### **h) toxicity for reproduction:**

No data available.

## ***SECTION 12: Ecological information***

### **12.1. Toxicity**

**Quantitative data on the ecological effect of this mixture are not available. Ecological problems should not be expected if you use and apply the mixture appropriately.**

#### ***Ecotoxicity:***

No data available.

#### ***Further ecological data:***

Prevent disposal into water, sewage or soil.

### **12.2. Persistence and degradability**

No data available.

### **12.3. Bioaccumulative potential**

No data available.

### **12.4 Mobility in soil**

No data available.

### **12.5. Results of PBT and vPvB assessment**

No data available.

### **12.6. Other adverse effects**

No data available.

## ***SECTION 13: Disposal considerations***

### **13.1. Waste treatment methods**

#### ***Product:***

Chemical residues, in general, are included into special waste. Disposing of the latter is regulated by appropriate laws and ordinances. We recommend contacting the appropriate authorities, or waste disposal enterprises that will advise you on how to dispose of special waste.

#### ***Packing:***

Remove in accordance with official regulations. Treat contaminated packages in the same way as the substance itself. If the regulations do not provide otherwise, non-contaminated packages can be treated like household waste or forward them to be utilized.

## **SECTION 14: Transport information**

### **14.1. UN number**

Not applicable.

### **14.2. UN proper shipping name**

Not applicable.

### **14.3. Transport hazard class(es)**

Not applicable.

### **14.4. Packing group**

No limits.

### **14.5. Environmental hazards**

Not applicable.

### **14.6. Special precautions for user**

Not applicable.

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

Not applicable.

## **SECTION 15: Regulatory information**

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

#### **Material Safety Data Sheet was prepared in accordance with:**

Regulation (EC) No 1907/2006 of European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH);  
Regulation (EC) No 1272/2008 of the European Parliament and Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

### **15.2. Chemical safety assessment**

Chemical safety assessment has been no carried out for the product.



## ***SECTION 16: Other information***

***Full text of abbreviations and acronyms:***

Acute Tox. 4 - Acute toxicity (category 4)

***Text of H-code(s):***

H302 - Harmful if swallowed.

Methods of evaluating information for the purpose of classification: calculation method.

The foregoing information is based on the present state of our knowledge. It characterizes the product with respect to the appropriate safety measures. They do not guarantee the properties of the product.

We do not take responsibility for damage and losses that may result from inappropriate use of the mixture.

***Reason of changes:***

Changing the MSDS in accordance with Annex II to Commission Regulation (EU) No 453/2010.