



## MATERIAL SAFETY DATA SHEET

### 1. Identification of substance:

Product Name: DL-Cloprostenol Sodium

CAS: 55028-72-3

Manufacturer/Supplier: Taizhou Crene Biotechnology Co., Ltd.

Add: Economic Developed Zone of Taizhou Zhejiang China.

Tel: +86-576-88813233

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### 2. Composition/data on components:

**Chemical Name:** Sodium

[1 $\alpha$ (Z),2 $\beta$ (1E,3R\*),3 $\alpha$ ,5 $\alpha$ ]-(+/-)-7-[2-[4-(3-chlorophenoxy)-3-hydroxybut-1-enyl]-3,5-dihydroxycyclopentyl]hept-5-enoate

**Synonyms:** N/A

**Hazardous Ingredient:** DL-Cloprostenol Sodium

**CAS Registry Number:** 55028-72-3

**Molecular Weight:** 446.90

Molecular Formula:  $C_{22}H_{28}ClNaO_6$

### 3. Hazard identification:

**Hazard Description:** Toxic. Contains a pharmaceutically active ingredient.

Handling should only be performed by personnel trained and familiar with handling of potent active pharmaceutical ingredients. Moderate to severe irritant to the skin and eyes.

### 4. First aid measures:

**After Inhalation:** if inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration

**After skin contact:** flush with copious amounts of water; remove contaminated clothing and shoes; call a physician

**After eye contact:** check for and remove contact lenses and flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician

**After swallowing:** if swallowed, wash out mouth with copious amounts of water; call a physician

### 5. Fire fighting measures:

**Suitable extinguishing agents:** water spray, carbon dioxide, dry chemical powder or foam

**Protective equipment:** wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual fire hazard:** emits toxic fumes such as carbon monoxide, etc.

### 6. Accidental release measures:

**Person-related safety precautions:** cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves

**Measures for cleaning/collecting:** absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); decontaminate surfaces and equipment by scrubbing with alcohol; dispose of contaminated material according to Section 13

## 7. Handling:

**Information for safe handling:**avoid inhalation and contact with skin, eyes and clothing; material may be an irritant

## 8. Exposure controls and personal protection:

**Personal protective equipment as follows:Breathing equipment:**NIOSH/MSHA-approved respirator

**Protection of hands:**chemical-resistant rubber gloves

**Eye protection:**chemical safety goggles

## 9. Stability and reactivity:

**Stability:**stable if stored as directed; avoid strong oxidizing agents

**Thermal decomposition/conditions to be avoided:**protect from light and heat

**Dangerous products of decomposition:**thermal decomposition may produce toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides

## 10. Toxicological information:

**RTECS#:Acute toxicity:**none known

**Primary irritant effect:**not known

**On the skin:**none known

**On the eye:**not known; may be an irritant

## 11. Ecological information:

**General notes:**no data available

## 12. Disposal consideration:

Dispose of in accordance with prevailing country, federal, state and local regulations

## 13. Transport information:

**DOT:Proper shipping name:**none

**Non-Hazardous for transport:**this substance is considered to be non-hazardous for transport

**IATA class:Proper shipping name:**none

**Non-Hazardous for transport:**this substance is considered to be non-hazardous for transport

## 14. Regulations:

**Code letter and hazard designation of product:Hazard-determining components of labeling:EU Risk And Safety phrases:**S24/25: avoid contact with skin and eyes

S26: in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28: after contact with skin, wash immediately with plenty of water

S36/37/39: wear protective clothing, gloves and eye/face protection

R28: very toxic if swallowed

R38: irritating to skin

R41: risk of serious damages to eyes

R48: toxic; danger of serious damage to health by prolonged exposure

**R62: possible risk of impaired fertility**

**R63: possible risk of harm to unborn child**

## 15. Other information:

The above information is believed to be correct based on our present knowledge but does not purport to be complete. The product is for research use only and for trained personnel. The burden of safe use of this material rests entirely with the user.