

Cloprostenol Sodium: sc-201338



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cloprostenol Sodium
Product Number: sc-201338
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2. HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008

Flammable Liquid

Labeling according to Regulation (EC) No 1272/2008:

The substance is classified and labelled according to the CLP regulation.

Pictograms



Signal word

Warning

Hazard statements

H225 Highly flammable liquid and vapor.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Hazard statements

Highly Flammable



Hazard codes

F

Risk codes and phrases

R11 Highly flammable.

Information concerning particular hazards for human and environment

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: 16-(m-Chlorophenoxy)-tetranor- prostaglandin F2 α ; sodium salt
Formula: C₂₂H₂₈O₆Cl·Na

Molecular weight: 446.90

<i>CAS-No.</i>	<i>EC-No.</i>	<i>Index-No.</i>	<i>Concentration</i>
Cloprostenol Sodium			
55028-72-3	-	-	1.27%
Ethanol			
64-17-5	200-578-6	603-002-00-5	98.73

Dangerous Components:

Cloprostenol Sodium (CAS No.: 55028-72-3)

Classification according to Regulation (EC) No 1272/2008:

Acute toxicity, Oral (Category 4)

Acute toxicity, Inhalation (Category 4)

Acute toxicity, Dermal (Category 4)

Reproductive Hazard (Category 2)

Hazard Codes

H361 Suspected of damaging fertility or the unborn child

H302+ H312+ H332 Harmful if swallowed, in contact with skin, and if inhaled

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Risk Codes and Phrases

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed

R62 Possible risk of impaired fertility

R63 Possible risk of harm to the unborn child

4. FIRST AID MEASURES

If inhaled

Supply fresh air; consult doctor in case of complaints.

In case of skin contact

Remove contaminated clothing.

In case of eye contact

Rinse opened eye for several minutes under running water.

If swallowed

If symptoms persist consult doctor

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Hazardous combustion products

No further relevant information available.

Special protective equipment for firefighters

Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. Wear fully protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear protective equipment. Keep unprotected persons away. Wear protective clothing.

Environmental precautions

Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and clean up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

7. HANDLING AND STORAGE

Precautions for safe handling

Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

Conditions for safe storage

Store in a cool location. Store tightly sealed in a cool, dry and well ventilated location (see label for storage temperature and additional specific information). Keep away from heat, sources of ignition and incompatibles such as oxidizing agents. Keep container tightly sealed. Store under lock and key and with access restricted to technical experts or their assistants only. Store at -20° C.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Not required.

Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection

Tightly sealed goggles

Hygiene measures

Wash hands before breaks and at the end of work..

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid	Odor	Alcohol-Like
Odor threshold	No data available.	pH-value	Not applicable
Melting point/Melting range	Undetermined.	Boiling point/Boiling range	Undetermined.
Flash point	Not applicable.	Flammability (solid, gaseous)	Not flammable.
Decomposition temperature	Not determined.	Self-igniting:	Not determined.
Lower explosion limit	Not determined.	Upper explosion limit	Not determined.
Vapor pressure	Not applicable.	Density	Not determined.
Relative density	Not determined.	Vapor density	Not applicable.
Evaporation rate	Not applicable.	Solubility (water)	Not miscible.
Partition coefficient (n-octanol/water)	Not determined.	Viscosity (Organic Solvents)	99.0%

10. STABILITY AND REACTIVITY

Chemical reactivity

No dangerous reactions known.

Chemical stability

Stable.

Materials to avoid

Avoid strong oxidizing agents.

Conditions to avoid

No further relevant information available.

Hazardous decomposition products

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Selected LD50 and LC50s: LD50 - Oral- 7060 mg/kg (rat)

LC50 - Inhalative- 20000 mg/L - 4h (rat)

Primary irritant effect:

on the skin: Not determined.

on the eye: Not determined.

Sensitization

No sensitizing effects known.

12. ECOLOGICAL INFORMATION**Toxicity**

no data available

Bioaccumulative potential

no data available

PBT and vPvB assessment

no data available

Other adverse effects

Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

Persistence and degradability

no data available

Mobility in soil

no data available

13. DISPOSAL CONSIDERATIONS**Product**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contaminated packaging

Disposal must be made according to official regulations.

14. TRANSPORTATION INFORMATION**UN-Number**

ADR, IMDG, IATA UN1170

UN proper shipping name

ADR, IMDG 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

IATA 1170 ETHANOL SOLUTION

Transport hazard class(es)

ADR, IMDG, IATA

Class: 3 Flammable liquids.

Label: 3

Packing group

ADR, IMDG, IATA II

Environmental hazards

Marine pollutant: No

Special precautions: Warning: Flammable liquids.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

Transport/Additional information

ADR

Limited quantities (LQ) 1L

UN "Model Regulation" UN1170, ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

15. REGULATORY INFORMATION**Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

07/25/2014