

Misoprostol: sc-201264



The Power to Question

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name: Misoprostol

Product Number: sc-201264

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. Hazard Identification

Classification according to Regulation (EC) No 1272/2008

Pictogram: GHS06 Skull and crossbones
GHS08 Health hazard



Acute Tox. 2 H300 Fatal if swallowed.
Repr. 1A H360 May damage fertility or the unborn child.

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

Pictogram:



Ti; Toxic

R60-61-25: May impair fertility. May cause harm to the unborn child. Toxic if swallowed.

Information concerning particular hazards for human and environment:

Not applicable.

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

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

Pictogram: GHS06 Skull and crossbones
GHS08 Health hazard



Signal word: Danger

Hazard statements:

H300 Fatal if swallowed.
H360 May damage fertility or the unborn child.

Precautionary statements

P281 Use personal protective equipment as required.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see on this label).
P308+P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Results of PBT and vPvB assessment

PBT:	Not applicable.
vPvB:	Not applicable.

3. Composition/ Information on Ingredients

Description:	Misoprostol
CAS No.:	59122-46-2
Molecular Weight:	382.53
Molecular Formula:	C ₂₂ H ₃₈ O ₅

4. First Aid Measures**General information:**

Immediately remove any clothing soiled by the product. In case of irregular breathing or respiratory arrest provide artificial respiration.

After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After ingestion:

Do not induce vomiting; call for medical help immediately.

Information for 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 agents:**

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

Special hazards arising from the substance or mixture

No further relevant information available.

Protective equipment:

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

6. Accidental Release Measures**Personal precautions, protective equipment and emergency procedures:**

Wear protective clothing.

Environmental precautions:

No special measures required.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and Storage

Precautions for safe handling:

Open and handle receptacle with care.

Information about fire - and explosion protection:

Keep respiratory protective device available.

Storage:

Store tightly sealed in a cool, dry and well ventilated location (see label for storage temperature and additional specific information).

Information about storage in one common storage facility:

Keep away from heat, sources of ignition and incompatibles such as oxidizing agents.

Further information about storage conditions:

Keep container tightly sealed. Store under lock and key and with access restricted to technical experts or their assistants only. Store at -20° C.

Specific end use(s)

No further relevant information available.

8. Exposure Controls/ Personal protection

Ingredients with limit values that require monitoring at the workplace:

Not required.

Additional information:

The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work. Store protective clothes separately.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves.



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Eye protection:

Tightly sealed goggles. Goggles recommended during refilling.



9. Physical and Chemical Properties

Form:	Liquid	Odor:	Characteristic
Odor threshold:	Not determined	pH-value:	Not applicable.
Melting point/Melting range:	Undetermined	Boiling point/Boiling range:	Undetermined
Flash point:	Not applicable.	Flammability (solid, gaseous):	Not applicable
Decomposition temperature:	Not determined	Self-igniting:	Not determined
Danger of explosion:	No explosion hazard	Explosion limits:	Not determined
Vapour pressure:	Not applicable	Density:	Not determined
Relative density	Not determined	Vapor density	Not applicable
Evaporation rate	Not applicable	Solubility in Water	Not determined
Viscosity:	Not applicable	Partition coefficient:	Not determined
Other Information	No further relevant information available	(n-octanol/water)	

10. Stability and Reactivity

Chemical stability:

Stable. Avoid strong oxidizing agents.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions:

No dangerous reactions known.

Conditions to avoid:

No further relevant information available.

Incompatible materials:

No further relevant information available.

Hazardous decomposition products:

No dangerous decomposition products known.

11. Toxicological Information

Acute toxicity:

LD/LC50 values relevant for classification:

Oral LD50 - 27mg/kg (mouse); LD50 - 81mg/kg (rat)

LD50 - 70 mg/kg (mouse) (intraperitoneal); LD50 40 mg/kg (rat) (intraperitoneal)

Primary irritant effect:

on the skin: not determined.

on the eye: not determined.

Sensitization:

not determined.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Repr. 1A

12. Ecological Information

Toxicity

no data available

Bioaccumulative potential

no data available

PBT and vPvB assessment

no data available

Persistence and degradability

no data available

Mobility in soil

no data available

Other adverse effects

no data available

13. Disposal Considerations

Waste treatment methods

Recommendation:

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

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport Information

UN-Number

ADR, IMDG, IATA UN 2810

UN proper shipping name

ADR 2 8 10 TOXIC LIQUID, ORGANIC, N.O.S.(Misoprostol)
IMDG, IATA TOXIC LIQUID, ORGANIC, N.O.S. (Misoprostol)

Transport hazard class(es)

ADR, IMDG, IATA Class 6.1 Toxic substances.

Label

6.1

Packing group

ADR, IMDG, IATA III

Environmental hazards:

Marine pollutant: No

Special precautions for user:

Warning: Toxic substances.
Danger code (Kemler): 60

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

Not applicable.

Transport/Additional information:

ADR Limited quantities (LQ) 5L
Transport category 2
Tunnel restriction code E

UN "Model Regulation":

UN2810, TOXIC LIQUID, ORGANIC, N.O.S. (Misoprostol), 6.1, III

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.

04/04/2014