

Product

Albuterol Sulfate Inhalation Aerosol (90 mcg/spray) (200 Metered Inhalations)

Date of Issue

09.04.2020

Revision No. : 01

IDENTIFICATION OF SUBSTANCE

Trade Name

Albuterol Sulfate Inhalation Aerosol (90 mcg/spray)

Company

Cipla Ltd., Plot No. 9, Pharma zone, Phase II, Sector III, Indore Special

Economic Zone Pithampur ,Dist: Dhar, Madhya Pradesh-454775

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Fax

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E-mail

: Dsafe@cipla.com

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2 **HAZARD IDENTIFICATION**

Classification as per EC -

Physical

: Clear, Colourless and Odorless solution.

Health

Product May be mildly harmful if overdose.

Environmental

: Information Not Available

Label in accordance with EC - Information not available

Single Word -Non Hazardous

Contains - API - Albuterol Sulfate, Dehydrated alcohol, Oleic Acid and 1,1,1,2-Tetrafluoroethane

Hazard Statement - Non Hazardous substance

Precautionary Statements - Information not available

Supplementary Precautionary Statement - Information not available

COMPOSITION / INFORMATION ON INGREDIENTS 3

Albuterol Sulfate, Dehydrated alcohol, Oleic Acid and Propellant-134a

Chemical Name : α 1-[tert-butylamino)-methyl]-4-hydroxy-m-xylene- α - α '-diol sulfate (2:1) (salt)

Albuterol

Sulfate: (C13H21NO3)2•H2SO4

Molecular Formula

Dehydrated Alcohol: C2H6O

Molecular Formula

Oleic Acid Molecular : C18H34O2

Formula

1,1,1,2-

: CH2FCF3

Tetrafluoroethane

Molecular Formula Molecular Weight of

Albuterol Sulfate

: 576.71g/mole

Molecular Weight of Dehydrated Alcohol

Molecular Weight of

: 46.06844 g/mole

Oleic Acid

282.4614 g/mole

Molecular Weight of

102.03 g/mole

1,1,1,2-

Tetrafluoroethane

No : 51022-70-9 CAS

UN No. : Information

not EC No.

: Information

not

available

available

Albuterol

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MMM 11111

of



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available

available

Sulfate

CAS No

: 64-17-5

UN No.

not EC No. : Information

: Information available

not

of

Dehydrate

d Alcohol CAS

No: 112-80-1

UN No.

: Information not EC No. available

: Information available

not

of Oleic

Acid

CAS

No : 811-97-2

UN No.

: Information not EC No. : Information available

not

of 1,1,1,2-

Tetrafluor oethane

Ingredients: Albuterol Sulfate, Dehydrated Alcohol, Oleic Acid, 1,1,1,2-Tetrafluoroethane

4 FIRST AID MEASURES

General advice: Keep out of reach of children

Inhalation

If unintentional inhalation or overdose occurs, remove person to fresh air and seek medical attention. If individual has trouble breathing, seek medical

attention immediately.

Skin Contact :

Wash affected areas with soap and water after removing contaminated clothing.

Obtain medical attention, if symptoms or irritation persist.

Eye Contact

Flush affected eye(s) with large amounts of potable water for at least 15

minutes. Obtain medical attention.

Medical Treatment: Treat symptomatically.

Medical conditions caused

or Aggravated by exposure: Information not available

Antidote

: Not applicable

5 **FIRE FIGHTING MEASURES**

Fire and Explosion hazard

Product is Not Flammable

Extinguishing media Special fire fighting procedure : Not Applicable : Not Applicable

and Protective Measures

Hazardous Combustion

Products

: Not applicable

ACCIDENTAL RELEASE MEASURES

Personal Precautions

: Use appropriate PPE's to avoid exposure.

Environmental Precaution

Dispose of waste material at an approved waste treatment facility in accordance with applicable local and federal

regulation.

Spill Clean - up Procedure

: Wash spill area with soap and water.

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Decontamination Procedure : No specific decontamination procedure has been identified.

7 HANDLING AND STORAGE

: Avoid contact with eyes, skin, and clothing. Handling

Storage : Protect from light and excessive heat. Store between 15-25°C (59°-77° F).

1. Bulk Storage - Information not available

2. Department Storage - Information not available

Pictograms - Information not available

EXPOSURE CONTROLS / PERSONAL PROTECTION 8

Hazard category and Exposure Limits:-

For albuterol sulfate the estimated safe working level is 10 mcg/m³ for an eight hour time-weighted average.

Personal protective equipment:-

Refer to national standards and regulation in the selection and use of personal protective equipment.

Ensure before use - Wash hands after handling and before eating.

: Information not available Respiratory protection

Hand protection

: NA : NA

Eye protection Skin protection

: NA

Exposure control Ventilation

: NA

Hygiene Measure : Handle in accordance with good industrial hygiene practice

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour : Clear, Colourless and Odorless solution.

Vapor pressure : NA Flash point NA Melting range NA

Vapor density : NA NA Viscosity 100°C **Boiling point**

: 1 Specific gravity Relative density : NA

Auto-ignition NA **Flammability** : NA

Solubility 100% in water

10 STABILITY AND REACTIVITY

Stability : Stable

Incompatibilities / Conditions to avoid : Avoid to contact with strong acids, bases, or

oxidizers.

Hazardous decomposition products

: Not determined : Not determined

Hazardous reactions Hazardous polymerization

: Not determined



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TOXICOLOGICAL INFORMATION

Oral Toxicity

: Not Applicable

Sensitization

: Rarely, exposure can

cause an allergic rash with redness and itching of the

skin.

Inhalation Toxicity

: inhalation can cause an allergic rash, difficulty

Genetic Toxicity

Information

available

breathing and swelling of the face and airways.

Carcinogenicity

Information

not

not

not

Skin Effects

: May cause skin effect

available

Eve Effects

: May cause eye irritation

Reproductive

Information

Effects

available

Target Effects

Organ: Information not available

Toxicity data: Information not available

ORL - RAT LD : Information not available

SCU - RAT LD : Information

not

50

available

ORL -MICE LD : Information not available

SCU - MUS LD

Information not

50

50

available

12 **ENVIRONMENTAL / ECOLOGICAL INFORMATION**

Summary: Information not available

Eco toxicity: It has toxicity to receptors in the aquatic environment at levels greater than 83.2

Degradability: Albuterol is not readily biodegradable in water or soil and is unlikely to bio

accumulate.

13 **DISPOSAL CONSIDERATION**

Disposal Recommendations

: - Dispose of waste material at an approved waste treatment facility in accordance with applicable local and

federal regulation.

Regulatory Requirements

: Follow local and federal regulation

TRANSPORT INFORMATION (UN Classification and Labeling) 14

Safety Data Sheet should accompany all shipments for reference in the event of spillage or accidental release.

ADR Packing Group - Not available Additional Pictogram - Not available ADR Class - Not available

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ADR

IATA

GHS

Other Information

: Not Classified.

15 **REGULATORY INFORMATION**

Labeling according to EEC directives National legislation / regulations

: Albuterol is not listed under the Chemicals (Hazard Information and Packaging) Regulations, 1993. However, suitable labelling

may be used.

Any other regulatory information

: Wear suitable protective clothing and gloves.

16 OTHER INFORMATION

Therapeutic category of Material

Not Available

Reference: MSDS of API, Proventil PIL, MSDS of Proventil HFA

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