Cipla
Indore SEZ

MATERIAL SAFETY DATA SHEET

Product	:	Arformoterol Inhalation Solution 15mcg/2ml		
Date of Issue	:	28.05.2020	**Revision No.**	: 01

1 IDENTIFICATION OF SUBSTANCE

Trade Name : Arformoterol Inhalation Solution 15mcg/2ml
Company : Cipla Ltd., Plot No. 9,Pharma zone, Phase II, Sector III, Indore Special Economic Zone Pithampur ,Dist: Dhar, Madhya Pradesh-454775

Telephone : +91 2225712463 **Fax** : +91 227913111
E-mail : Dsafe@cipla.com **Web site** : www.cipla.com
Emergency Contact : +91 2225712463

2 HAZARD IDENTIFICATION

Classification as per EC - **Acute Toxicity** : **Inhalation, Category 3**
Respiratory Sensitization, Category 1
Carcinogenicity, Category 2
Toxic to reproduction, Category 2

Label in accordance with EC –



Single Word –Danger

Contains – API – **Arformoterol**
Hazard Statement – Harmful if swallowed

Precautionary Statements – Information not available

Supplementary Precautionary Statement – Information not available

3 COMPOSITION / INFORMATION ON INGREDIENTS

Diloxanide Furoate
Chemical Name : Arformoterol (tartrate)
Chemical Formula : $C_{19}H_{24}N_2O_4 \cdot C_4H_6O_6$

Molecular Weight of Diloxanide Furoate : 494.5 g/mol

CAS No of Diloxanide : 200815-49-2 **UN No.** : Information not available **EC No.** : Information not available

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Furoate

Ingredients : Diloxanide Furoate

4 FIRST AID MEASURES

General advice: Keep out of reach of children

Inhalation : Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

Skin Contact : Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse

Eye Contact : Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

Ingestion : Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

5 FIRE FIGHTING MEASURES

Fire and Explosion hazard : May be combustible at high temperature

Extinguishing media : Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray

Flammable properties and Hazards : Not Available

Firefighting instructions : As in any fire, wear self-contained breathing apparatus pre demand (NIOSH approved or equivalent), and full protectiv to prevent contact with skin and eyes

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions : Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator.

Environmental Precaution : Take steps to avoid release into the environment, if safe to do so.

Spill Clean - up Procedure : Wash spill area with water and prevent runoff into drains.

Decontamination Procedure : Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations

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7 HANDLING AND STORAGE

Handling & Storage : Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged exposure.

Precautions for Storing : Keep container tightly closed. Store in accordance with information listed on the product : product insert.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazard category and Exposure Limits:- NA

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

Respiratory protection	:	NIOSH approved respirator
Hand protection	:	Hand gloves
Eye protection	:	Safety goggles / chemical resistant
Skin protection	:	Lab coat / PVC Gloves
Exposure control Ventilation	:	NA
Hygiene Measure	:	Handle in accordance with good industrial hygiene practice

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour : A crystalline solid.

Vapor pressure	:	NA	**Vapor density**	:	NA
Flash point	:	NA	**Viscosity**	:	NA
Melting range	:	NA	**Boiling point**	:	NA
Specific gravity	:	NA	**Auto-ignition**	:	NA
Relative density	:	NA	**Flammability**	:	NA
Solubility	:	NA			

10 STABILITY AND REACTIVITY

Stability	:	Stable
Incompatibilities / Conditions to avoid	:	Avoid to contact with oxidizers.
Hazardous decomposition products	:	Not determined
Hazardous reactions	:	Not determined
Hazardous polymerization	:	Carbon dioxide, Carbon monoxide, Nitrogen oxides

11 TOXICOLOGICAL INFORMATION

Oral Toxicity : **Not Applicable** **Sensitization** : Not Applicable.

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Inhalation Toxicity	: Not Applicable.	Genetic Toxicity	: Not Applicable
Skin Effects	: May cause skin effect	Carcinogenicity	: Not Applicable
Eye Effects	: May cause eye irritation	Reproductive Effects	: Not Applicable

Target Organ Effects : Not Applicable

Toxicity data : Information not available

ORL - RAT LD 50	: Not Applicable	SCU - RAT LD 50	: Not Applicable
ORL -MICE LD 50	: Not Applicable	SCU - MUS LD 50	: Not Applicable

12 ENVIRONMENTAL / ECOLOGICAL INFORMATION

Summary : Information not available
Eco toxicity : Avoid release in environment.
Degradability: NA

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

14 TRANSPORT INFORMATION (UN Classification and Labeling)

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

ADR Packing Group – Not Dangerous ADR Class – Not Dangerous
Additional Pictogram - Not Dangerous

ADR IATA GHS

Other Information : Not Dangerous.

15 REGULATORY INFORMATION

Labeling according to EEC directives : This MSDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC).
National legislation / regulations
Any other regulatory information : Wear suitable protective clothing and gloves.

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16 OTHER INFORMATION

Therapeutic category of Material : Anti Asthmatic

Reference : MSDS of API Arformoterol

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