

# SAFETY DATA SHEET

According to Regulation (EC). No.1272/2008[CLP]

Document No.: SDS/ FM/ 0005

Version No.: 1.0

Effective Date: 01 Feb 2023

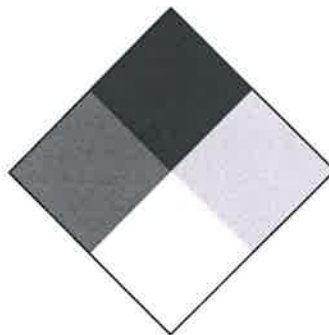
## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### 1.1 PRODUCT IDENTIFIERS

**Product Name** : Atorvastatin Calcium Tablet10mg  
**Synonyms** : --  
**CAS No.** : --  
**Molecular Weight** : --  
**Molecular Formula** : --

#### NFPA Rating

Health (Blue);  
 Flammability (Red);  
 Reactivity (Yellow);  
 Specific (White);



NFPA RATING			
Rating	NFPA-Blue	NFPA-Red	NFPA-Yellow
0	None	None	None
1	Very Low	Very Low	Very Low
2	Low	Low	Low
3	High	High	High
4	Very High	Very High	Very High
White (symbol & nature)			
OXY - Oxidizer	W - Use No Water		
ACID - Acid	☸ - Radiation Hazard		
ALK - Alkali	SA - Simple Asphyxiant		
COR - Corrosive	- - Not Applicable		

### 1.2 CONTACT INFORMATION

**Corporate Office** : Laurus Labs Limited, 2nd Floor, Serene Chambers, Road No # 7, Banjara Hills, Hyderabad-500034. Telangana, India. Tel: 040-39804333  
**Registered Office** : Laurus Labs Limited, Plot No. 21, J N Pharma City, Parawada, Anakapalli-531021. Andhra Pradesh, India. Tel: 0891 3061222

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Not a hazardous substance or mixture according to Regulation (EC) No: 1272/2008. This substance is not classified as dangerous according to Directive 67/ 548/ EEC.

### 2.2 LABEL ELEMENTS:

Not a hazardous substance or mixture according to Regulation (EC) No: 1272/2008. The product does not need to be labelled in accordance with EC directives or respective national laws.

### 2.3 OTHER HAZARDS:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

CAS #	Chemical name	Percent
344423-98-9	Atorvastatin Calcium Tri-hydrate	7.01
471-34-1	Calcium Carbonate (Scorlite LL 250)	21.36
9004-34-6	Microcrystalline cellulose (Avicel PH 101)	20.74
64044-51-5	Lactose Monohydrate (Granulac 200)	21.23
74811-65-7	Croscarmellose Sodium (Ac-Di-Sol)	5.82
9004-64-2	Hydroxypropyl Cellulose (HPC- L Fine Powder)	1.94

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9005-65-6	Tween 80 (Polysorbate)	0.39
9004-34-6	Microcrystalline Cellulose (Avicel PH 102)	17.62
557-04-0	Magnesium Stearate (Hyqual)	0.97
None assigned	Opadry YS-1-7040 White	2.91

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF NECESSARY FIRST-AID MEASURES:

#### Eye contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

#### Skin contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient / Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

#### Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

#### Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately / Loosen tight clothing such as a collar, tie, belt or waistband.

### 4.2 MOST IMPORTANT SYMPTOMS/ EFFECTS - ACUTE AND DELAYED:

No data available

### 4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No data available

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA:

**Suitable extinguishing media:** Water, Foam (AFFF), ABC Powder, Carbon Dioxide, DCP (Dry Chemical Powder)

**Unsuitable extinguishing media:** For this substance/ mixture no limitations of extinguishing agents are given.

### 5.2 SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Formation of toxic gases is possible during heating or fire.

### 5.3 ADVICE FOR FIRE FIGHTERS:

Wear self contained breathing apparatus for firefighting if necessary.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

### 6.2 ENVIRONMENTAL PRECAUTIONS:

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING:

During handling wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin eyes and clothing. Avoid ingestion and inhalation.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store at 20°C to 25°C (68°F to 77°F). Excursions are permitted between 15°C to 30°C (59°F to 86°F).

## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS:

No Data available

### 8.2 EXPOSURE CONTROLS:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Personal protective equipment

### 8.3 PERSONAL PROTECTIVE EQUIPMENT :



#### Eye & Face protection:

Use personal protective equipment Nose mask, goggles & gloveless as described by the Indian standard and other international standard.

#### Skin & Body protection:

Long sleeved clothing. Gloves must be inspected prior to use

#### Respiratory protection:

For nuisance exposures use respirator cartridges. Use respirators and components tested and approved under appropriate government standards.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

<b>Physical state &amp; Appearance</b>	: Tablet
<b>Colour</b>	: White
<b>Odor</b>	: No data available
<b>Odour threshold</b>	: No data available
<b>pH</b>	: No data available
<b>Melting point/freezing point</b>	: No data available
<b>Boiling point / range</b>	: No data available
<b>Flash point</b>	: No data available
<b>Flammability (solid, gas)</b>	: No data available
<b>Flammability or explosive limits - Upper</b>	: No data available
<b>Flammability or explosive limits - Lower</b>	: No data available

<b>Evaporation rate</b>	: No data available
<b>Vapour pressure</b>	: No data available
<b>Vapour density</b>	: No data available
<b>Relative density</b>	: No data available
<b>Water solubility</b>	: No data available
<b>Partition coefficient: n-octanol/water</b>	: No data available
<b>Auto-ignition temperature</b>	: No data available
<b>Decomposition temperature</b>	: No data available
<b>Special gravity</b>	: No data available
<b>Oxidizing properties</b>	: No data available
<b>Viscosity</b>	: No data available

### SECTION 10: STABILITY AND REACTIVITY

**10.1 REACTIVITY:**

No data available

**10.2 CHEMICAL STABILITY:**

Stable under normal conditions of use.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS:**

No data available

**10.4 CONDITIONS TO AVOID:**

Fine particles (such as dust and mists) may fuel fires/explosions.

**10.5 INCOMPATIBLE MATERIALS:**

As a precautionary measure, keep away from strong oxidizers

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**

Formation of toxic gases is possible during heating or fire.

### SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:**

**Acute Toxicity:**

Type	Species	Value	Unit	Any other
LD50, Oral	Rat	> 5000	mg/kg	Microcrystalline cellulose
LD50, Dermal	Rabbit	> 2000	mg/kg	Microcrystalline cellulose
LD50, Oral	Rat	6450	mg/kg	Calcium carbonate
LD50, Oral	Rat	> 2000	mg/kg	Magnesium stearate
LC50, Inhalation	Rat	> 2000	mg/kg <sup>3</sup>	Magnesium stearate
LD50, Oral	Rat	25	mg/kg	Polysorbate 80
LD50, Oral	Rat	> 5000	mg/kg	Atorvastatin calcium
LD50, Oral	Mouse	> 5000	mg/kg	Atorvastatin calcium
LD50, Dermal	Rabbit	> 2000	mg/kg	Atorvastatin calcium

**Skin corrosion/irritation:**

Skin irritation

**Serious eye damage/eye irritation:**

Eye damage irritation

**Respiratory or skin sensitization:**

No data available

**Germ cell mutagenicity:**

No data available

**Carcinogenicity:**

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Reproductive toxicity:**

No data available

**Specific target organ toxicity - single exposure:**

No data available

**Specific target organ toxicity - repeated exposure:**

No data available

**Aspiration hazard:**

No data available

**11.2 ADDITIONAL INFORMATION:**

The toxicological properties have not been fully investigated.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 ECO-TOXICITY:**

No data available

**Toxicity to algae:**

No data available

**12.2 PERSISTENCE AND DEGRADABILITY:**

**Biodegradability:**

No data available

**12.3 BIOACCUMULATIVE POTENTIAL:**

No data available

**12.4 MOBILITY IN SOIL:**

No data available

**12.5 OTHER ADVERSE EFFECTS:**

No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Waste Disposal methods -Waste must be segregated, stored and disposed of in accordance with central, state and local environmental control regulations.

**SECTION 14: TRANSPORT INFORMATION**

	TRANSPORT	ADR/RID	IMDG	IATA
14.1	UN NUMBER	--	--	--
14.2	UN PROPER SHIPPING NAME	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3	TRANSPORT HAZARD CLASS(ES)	--	--	--
14.4	PACKING GROUP	--	--	--
14.5	ENVIRONMENTAL HAZARD	No	No	No





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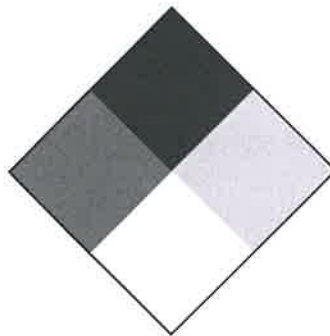
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**Molecular Weight** : --  
**Molecular Formula** : --

#### NFPA Rating

Health (Blue);  
 Flammability (Red);  
 Reactivity (Yellow);  
 Specific (White);



NFPA RATING			
Rating	NFPA-Blue	NFPA-Red	NFPA-Yellow
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1	Very Low	Very Low	Very Low
2	Low	Low	Low
3	High	High	High
4	Very High	Very High	Very High
White (symbol & nature)			
OXY	- Oxidizer	W	- Use No Water
ACID	- Acid	☼	- Radiation Hazard
ALK	- Alkali	SA	- Simple Asphyxiant
COR	- Corrosive	-	- Not Applicable

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None assigned	Opadry YS-1-7040 White	2.91

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF NECESSARY FIRST-AID MEASURES:

**Eye contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

**Skin contact:**

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient / Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately / Loosen tight clothing such as a collar, tie, belt or waistband.

### 4.2 MOST IMPORTANT SYMPTOMS/ EFFECTS - ACUTE AND DELAYED:

No data available

### 4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No data available

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA:

**Suitable extinguishing media:** Water, Foam (AFFF), ABC Powder, Carbon Dioxide, DCP (Dry Chemical Powder)

**Unsuitable extinguishing media:** For this substance/ mixture no limitations of extinguishing agents are given.

### 5.2 SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Formation of toxic gases is possible during heating or fire.

### 5.3 ADVICE FOR FIRE FIGHTERS:

Wear self contained breathing apparatus for firefighting if necessary.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

### 6.2 ENVIRONMENTAL PRECAUTIONS:

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.



**6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:**

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

**SECTION 7: HANDLING AND STORAGE**

**7.1 PRECAUTIONS FOR SAFE HANDLING:**

During handling wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin eyes and clothing. Avoid ingestion and inhalation.

**7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**

Store at 20°C to 25°C (68°F to 77°F). Excursions are permitted between 15°C to 30°C (59°F to 86°F).

**SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**8.1 CONTROL PARAMETERS:**

No Data available

**8.2 EXPOSURE CONTROLS:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Personal protective equipment

**8.3 PERSONAL PROTECTIVE EQUIPMENT :**



**Eye & Face protection:**

Use personal protective equipment Nose mask, goggles & gloveless as described by the Indian standard and other international standard.

**Skin & Body protection:**

Long sleeved clothing. Gloves must be inspected prior to use

**Respiratory protection:**

For nuisance exposures use respirator cartridges. Use respirators and components tested and approved under appropriate government standards

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Physical state &amp; Appearance</b>	: Tablet
<b>Colour</b>	: White
<b>Odor</b>	: No data available
<b>Odour threshold</b>	: No data available
<b>pH</b>	: No data available
<b>Melting point/freezing point</b>	: No data available
<b>Boiling point / range</b>	: No data available
<b>Flash point</b>	: No data available
<b>Flammability (solid, gas)</b>	: No data available
<b>Flammability or explosive limits - Upper</b>	: No data available
<b>Flammability or explosive limits - Lower</b>	: No data available

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<b>Evaporation rate</b>	: No data available
<b>Vapour pressure</b>	: No data available
<b>Vapour density</b>	: No data available
<b>Relative density</b>	: No data available
<b>Water solubility</b>	: No data available
<b>Partition coefficient: n-octanol/water</b>	: No data available
<b>Auto-ignition temperature</b>	: No data available
<b>Decomposition temperature</b>	: No data available
<b>Special gravity</b>	: No data available
<b>Oxidizing properties</b>	: No data available
<b>Viscosity</b>	: No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY:

No data available

### 10.2 CHEMICAL STABILITY:

Stable under normal conditions of use.

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

No data available

### 10.4 CONDITIONS TO AVOID:

Fine particles (such as dust and mists) may fuel fires/explosions.

### 10.5 INCOMPATIBLE MATERIALS:

As a precautionary measure, keep away from strong oxidizers

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

No data available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

#### Acute Toxicity:

Type	Species	Value	Unit	Any other
LD50, Oral	Rat	> 5000	mg/kg	Microcrystalline cellulose
LD50, Dermal	Rabbit	> 2000	mg/kg	Microcrystalline cellulose
LD50, Oral	Rat	6450	mg/kg	Calcium carbonate
LD50, Oral	Rat	> 2000	mg/kg	Magnesium stearate
LC50, Inhalation	Rat	> 2000	mg/m <sup>3</sup>	Magnesium stearate
LD50, Oral	Rat	25	mg/kg	Polysorbate 80
LD50, Oral	Rat	> 2000	mg/kg	Atorvastatin calcium
LD50, Oral	Mouse	> 2000	mg/kg	Atorvastatin calcium
LD50, Dermal	Rabbit	> 2000	mg/kg	Atorvastatin calcium

#### Skin corrosion/irritation:

Skin irritation

#### Serious eye damage/eye irritation:

Eye irritation

#### Respiratory or skin sensitization:

No data available

**Germ cell mutagenicity:**

No data available

**Carcinogenicity:**

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Reproductive toxicity:**

No data available

**Specific target organ toxicity - single exposure:**

No data available

**Specific target organ toxicity - repeated exposure:**

No data available

**Aspiration hazard:**

No data available

**11.2 ADDITIONAL INFORMATION:**

The toxicological properties have not been fully investigated.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 ECO-TOXICITY:**

No data available

**Toxicity to algae:**

No data available

**12.2 PERSISTENCE AND DEGRADABILITY:**

**Biodegradability:**

No data available

**12.3 BIOACCUMULATIVE POTENTIAL:**

No data available

**12.4 MOBILITY IN SOIL:**

No data available

**12.5 OTHER ADVERSE EFFECTS:**

No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Waste Disposal methods -Waste must be segregated, stored and disposed of in accordance with central, state and local environmental control regulations.

**SECTION 14: TRANSPORT INFORMATION**

	<b>TRANSPORT</b>	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>14.1</b>	<b>UN NUMBER</b>	--	--	--
<b>14.2</b>	<b>UN PROPER SHIPPING NAME</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>14.3</b>	<b>TRANSPORT HAZARD CLASS(ES)</b>	--	--	--
<b>14.4</b>	<b>PACKING GROUP</b>	--	--	--
<b>14.5</b>	<b>ENVIRONMENTAL HAZARD</b>	No	No	No

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14.6 **SPECIAL PRECAUTIONS FOR USER**      --      --      --

14.7 **SYMBOL**      --

### SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1272/2008.

### SECTION 16: OTHER INFORMATION

**DISCLAIMER:**

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

**Revision log:**

Revision No.	Reason for Revision	Effective Date
0.0	First issue	08 Oct 2017
1.0	Changed into new template and Sections 1,3,7 & 9 modified	01 Feb 2023

**Prepared By:**

Vinod Kumar B  
(11222)

**Reviewed By:**

Bipin Kumar. S  
(6186)

**END OF SAFETY DATA SHEET**

----- This is an electronically generated SDS, and hence need not be signed -----

# SAFETY DATA SHEET

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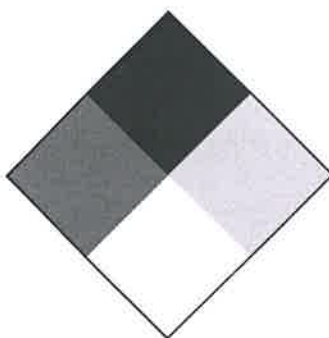
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Health (Blue);  
 Flammability (Red);  
 Reactivity (Yellow);  
 Specific (White);



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3	High	High	High
4	Very High	Very High	Very High
White (symbol & nature)			
OXY	- Oxidizer	W	- Use No Water
ACID	- Acid	☼	- Radiation Hazard
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Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

#### Skin contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient / Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

#### Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

#### Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately / Loosen tight clothing such as a collar, tie, belt or waistband.

### 4.2 MOST IMPORTANT SYMPTOMS/ EFFECTS - ACUTE AND DELAYED:

No data available

### 4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No data available

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA:

**Suitable extinguishing media:** Water, Foam (AFFF), ABC Powder, Carbon Dioxide, DCP (Dry Chemical Powder)

**Unsuitable extinguishing media:** For this substance/ mixture no limitations of extinguishing agents are given.

### 5.2 SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Formation of toxic gases is possible during heating or fire.

### 5.3 ADVICE FOR FIRE FIGHTERS:

Wear self contained breathing apparatus for firefighting if necessary.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

### 6.2 ENVIRONMENTAL PRECAUTIONS:

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING:

During handling wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin eyes and clothing. Avoid ingestion and inhalation.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store at 20°C to 25°C (68°F to 77°F). Excursions are permitted between 15°C to 30°C (59°F to 86°F).

## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS:

No Data available

### 8.2 EXPOSURE CONTROLS:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

### 8.3 PERSONAL PROTECTIVE EQUIPMENT :



#### Eye & Face protection:

Use personal protective equipment Nose mask, goggles & gloveless as described by the Indian standard and other international standard.

#### Skin & Body protection:

Long sleeved clothing. Gloves must be inspected prior to use

#### Respiratory protection:

For nuisance exposures use respirator cartridges. Use respirators and components tested and approved under appropriate government standards

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

<b>Physical state &amp; Appearance</b>	: Tablet
<b>Colour</b>	: White
<b>Odor</b>	: No data available
<b>Odour threshold</b>	: No data available
<b>pH</b>	: No data available
<b>Melting point/freezing point</b>	: No data available
<b>Boiling point / range</b>	: No data available
<b>Flash point</b>	: No data available
<b>Flammability (solid, gas)</b>	: No data available
<b>Flammability or explosive limits - Upper</b>	: No data available
<b>Flammability or explosive limits - Lower</b>	: No data available

<b>Evaporation rate</b>	: No data available
<b>Vapour pressure</b>	: No data available
<b>Vapour density</b>	: No data available
<b>Relative density</b>	: No data available
<b>Water solubility</b>	: No data available
<b>Partition coefficient: n-octanol/water</b>	: No data available
<b>Auto-ignition temperature</b>	: No data available
<b>Decomposition temperature</b>	: No data available
<b>Special gravity</b>	: No data available
<b>Oxidizing properties</b>	: No data available
<b>Viscosity</b>	: No data available

### SECTION 10: STABILITY AND REACTIVITY

**10.1 REACTIVITY:**

No data available

**10.2 CHEMICAL STABILITY:**

Stable under normal conditions of use.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS:**

No data available

**10.4 CONDITIONS TO AVOID:**

Fine particles (such as dust and mists) may fuel fires/explosions.

**10.5 INCOMPATIBLE MATERIALS:**

As a precautionary measure, keep away from strong oxidizers

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**

No data available

### SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:**

**Acute Toxicity:**

Type	Species	Value	Unit	Any other
LD50, Oral	Rat	> 5000	mg/kg	Microcrystalline cellulose
LD50, Dermal	Rabbit	> 2000	mg/kg	Microcrystalline cellulose
LD50, Oral	Rat	6450	mg/kg	Calcium carbonate
LD50, Oral	Rat	> 2000	mg/kg	Magnesium stearate
LC50, Inhalation	Rat	> 2000	mg/kg	Magnesium stearate
LD50, Oral	Rat	25	mg/kg	Polysorbate 80
LD50, Oral	Rat	> 5000	mg/kg	Atorvastatin calcium
LD50, Oral	Mouse	> 5000	mg/kg	Atorvastatin calcium
LD50, Dermal	Rabbit	> 2000	mg/kg	Atorvastatin calcium

**Skin corrosion/irritation:**

Skin irritation

**Serious eye damage/eye irritation:**

eye irritation

**Respiratory or skin sensitization:**

No data available

**Germ cell mutagenicity:**

No data available

**Carcinogenicity:**

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Reproductive toxicity:**

No data available

**Specific target organ toxicity - single exposure:**

No data available

**Specific target organ toxicity - repeated exposure:**

No data available

**Aspiration hazard:**

No data available

**11.2 ADDITIONAL INFORMATION:**

The toxicological properties have not been fully investigated.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 ECO-TOXICITY:**

No data available

**Toxicity to algae:**

No data available

**12.2 PERSISTENCE AND DEGRADABILITY:**

**Biodegradability:**

No data available

**12.3 BIOACCUMULATIVE POTENTIAL:**

No data available

**12.4 MOBILITY IN SOIL:**

No data available

**12.5 OTHER ADVERSE EFFECTS:**

No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Waste Disposal methods -Waste must be segregated, stored and disposed of in accordance with central, state and local environmental control regulations.

**SECTION 14: TRANSPORT INFORMATION**

	<b>TRANSPORT</b>	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>14.1</b>	<b>UN NUMBER</b>	--	--	--
<b>14.2</b>	<b>UN PROPER SHIPPING NAME</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>14.3</b>	<b>TRANSPORT HAZARD CLASS(ES)</b>	--	--	--
<b>14.4</b>	<b>PACKING GROUP</b>	--	--	--
<b>14.5</b>	<b>ENVIRONMENTAL HAZARD</b>	No	No	No

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14.6 **SPECIAL PRECAUTIONS FOR USER**    --    --    --

14.7 **SYMBOL**    --

**SECTION 15: REGULATORY INFORMATION**

**Safety, health and environmental regulations specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1272/2008.

**SECTION 16: OTHER INFORMATION**

**DISCLAIMER:**

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

**Revision log:**

Revision No.	Reason for Revision	Effective Date
0.0	First issue	03 Oct 2017
1.0	changed into new template and Sections 1,3,7 & 9 modified	03 Feb 2023

**Prepared By:**

Vinod Kumar B  
(11222)

**Reviewed By:**

Bipin Kumar. S  
(6186)

**END OF SAFETY DATA SHEET**

----- This is an electronically generated SDS, and hence need not be signed -----



# SAFETY DATA SHEET

According to Regulation (EC). No.1272/2008[CLP]

Document No.: SDS/ FM/ 0008

Version No.: 1.0

Effective Date: 03 Feb 2023

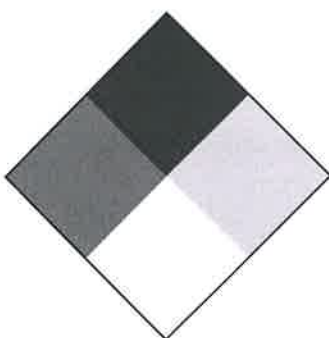
## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### 1.1 PRODUCT IDENTIFIERS

**Product Name** : Atorvastatin Calcium Tablet 80mg  
**Synonyms** : --  
**CAS No.** : --  
**Molecular Weight** : --  
**Molecular Formula** : --

#### NFPA Rating

Health (Blue);  
 Flammability (Red);  
 Reactivity (Yellow);  
 Specific (White);



NFPA RATING			
Rating	NFPA-Blue	NFPA-Red	NFPA-Yellow
0	None	None	None
1	Very Low	Very Low	Very Low
2	Low	Low	Low
3	High	High	High
4	Very High	Very High	Very High
White (symbol & nature)			
OXY	- Oxidizer	W	- Use No Water
ACID	- Acid	☼	- Radiation Hazard
ALK	- Alkali	SA	- Simple Asphyxiant
COR	- Corrosive	-	- Not Applicable

### 1.2 CONTACT INFORMATION

**Corporate Office** : Laurus Labs Limited, 2nd Floor, Serene Chambers, Road No # 7, Banjara Hills, Hyderabad-500034, Telangana, India. Tel: 040-39804333  
**Registered Office** : Laurus Labs Limited, Plot No. 21, J N Pharma City, Parawada, Anakapalli-531021, Andhra Pradesh, India. Tel: 0891 3061222

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Not a hazardous substance or mixture according to Regulation (EC) No: 1272/2008. This substance is not classified as dangerous according to Directive 67/ 548/ EEC.

### 2.2 LABEL ELEMENTS:

Not a hazardous substance or mixture according to Regulation (EC) No: 1272/2008. The product does not need to be labelled in accordance with EC directives or respective national laws.

### 2.3 OTHER HAZARDS:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

CAS #	Chemical name	Percent
344423-98-9	Atorvastatin Calcium Tri-hydrate	7.01
471-34-1	Calcium Carbonate (Scoralite LL 250)	21.36
9004-34-6	Microcrystalline cellulose (Avicel PH 101)	20.74
64044-51-5	Lactose Monohydrate (Granulac 200)	21.23
74811-65-7	Croscarmellose Sodium (Ac-Di-Sol)	5.82
9004-64-2	Hydroxypropyl Cellulose (HPC- L Fine Powder)	1.94

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9005-65-6	Tween 80 (Polysorbate)	0.39
9004-34-6	Microcrystalline Cellulose (Avicel PH 102)	17.62
557-04-0	Magnesium Stearate (Hyqual)	0.97
None assigned	Opadry YS-1-7040 White	2.91

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF NECESSARY FIRST-AID MEASURES:

#### Eye contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

#### Skin contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient / Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

#### Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

#### Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately / Loosen tight clothing such as a collar, tie, belt or waistband.

### 4.2 MOST IMPORTANT SYMPTOMS/ EFFECTS - ACUTE AND DELAYED:

No data available

### 4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No data available

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA:

**Suitable extinguishing media:** Water, Foam (AFFF), ABC Powder, Carbon Dioxide, DCP (Dry Chemical Powder)

**Unsuitable extinguishing media:** For this substance/ mixture no limitations of extinguishing agents are given.

### 5.2 SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Formation of toxic gases is possible during heating or fire.

### 5.3 ADVICE FOR FIRE FIGHTERS:

Wear self contained breathing apparatus for firefighting if necessary.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

### 6.2 ENVIRONMENTAL PRECAUTIONS:

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING:

During handling wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin eyes and clothing. Avoid ingestion and inhalation.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store at 20°C to 25°C (68°F to 77°F). Excursions are permitted between 15°C to 30°C (59°F to 86°F).

## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS:

No Data available

### 8.2 EXPOSURE CONTROLS:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

### 8.3 PERSONAL PROTECTIVE EQUIPMENT :



#### Eye & Face protection:

Use personal protective equipment Nose mask, goggles & gloveless as described by the Indian standard and other international standard.

#### Skin & Body protection:

Long sleeved clothing. Gloves must be inspected prior to use

#### Respiratory protection:

For nuisance exposures use respirator cartridges. Use respirators and components tested and approved under appropriate government standards

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

<b>Physical state &amp; Appearance</b>	: Tablet
<b>Colour</b>	: White
<b>Odor</b>	: No data available
<b>Odour threshold</b>	: No data available
<b>pH</b>	: No data available
<b>Melting point/freezing point</b>	: No data available
<b>Boiling point / range</b>	: No data available
<b>Flash point</b>	: No data available
<b>Flammability (solid, gas)</b>	: No data available
<b>Flammability or explosive limits - Upper</b>	: No data available
<b>Flammability or explosive limits - Lower</b>	: No data available

<b>Evaporation rate</b>	: No data available
<b>Vapour pressure</b>	: No data available
<b>Vapour density</b>	: No data available
<b>Relative density</b>	: No data available
<b>Water solubility</b>	: No data available
<b>Partition coefficient: n-octanol/water</b>	: No data available
<b>Auto-ignition temperature</b>	: No data available
<b>Decomposition temperature</b>	: No data available
<b>Special gravity</b>	: No data available
<b>Oxidizing properties</b>	: No data available
<b>Viscosity</b>	: No data available

### SECTION 10: STABILITY AND REACTIVITY

**10.1 REACTIVITY:**

No data available

**10.2 CHEMICAL STABILITY:**

Stable under normal conditions of use.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS:**

No data available

**10.4 CONDITIONS TO AVOID:**

No data available

**10.5 INCOMPATIBLE MATERIALS:**

No data available

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**

No data available

### SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:**

**Acute Toxicity:**

Type	Species	Value	Unit	Any other
LD50, Oral	Rat	> 5000	mg/kg	Microcrystalline cellulose
LD50, Dermal	Rabbit	> 2000	mg/kg	Microcrystalline cellulose
LD50, Oral	Rat	6450	mg/kg	Calcium carbonate
LD50, Oral	Rat	> 2000	mg/kg	Magnesium stearate
LC50, Inhalation	Rat	> 2000	mg/m <sup>3</sup>	Magnesium stearate
LD50, Oral	Rat	> 5000	mg/kg	Atorvastatin calcium
LD50, Oral	Mouse	> 5000	mg/kg	Atorvastatin calcium
LD50, Dermal	Rabbit	> 2000	mg/kg	Atorvastatin calcium

**Skin corrosion/irritation:**

Skin irritation

**Serious eye damage/eye irritation:**

eye irritation

**Respiratory or skin sensitization:**

No data available

**Germ cell mutagenicity:**

No data available

**Carcinogenicity:**

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Reproductive toxicity:**

No data available

**Specific target organ toxicity - single exposure:**

No data available

**Specific target organ toxicity - repeated exposure:**

No data available

**Aspiration hazard:**

No data available

**11.2 ADDITIONAL INFORMATION:**

The toxicological properties have not been fully investigated.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 ECO-TOXICITY:**

No data available

**Toxicity to algae:**

No data available

**12.2 PERSISTENCE AND DEGRADABILITY:**

**Biodegradability:**

No data available

**12.3 BIOACCUMULATIVE POTENTIAL:**

No data available

**12.4 MOBILITY IN SOIL:**

No data available

**12.5 OTHER ADVERSE EFFECTS:**

No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Waste Disposal methods -Waste must be segregated, stored and disposed of in accordance with central, state and local environmental control regulations.

**SECTION 14: TRANSPORT INFORMATION**

	<b>TRANSPORT</b>	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>14.1 UN NUMBER</b>		--	--	--
<b>14.2 UN PROPER SHIPPING NAME</b>		Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>14.3 TRANSPORT HAZARD CLASS(ES)</b>		--	--	--
<b>14.4 PACKING GROUP</b>		--	--	--
<b>14.5 ENVIRONMENTAL HAZARD</b>		No	No	No
<b>14.6 SPECIAL PRECAUTIONS FOR USER</b>		--	--	--



**14.7 SYMBOL**

**SECTION 15: REGULATORY INFORMATION**

**Safety, health and environmental regulations specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1272/2008.

**SECTION 16: OTHER INFORMATION**

**DISCLAIMER:**

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

**Revision log:**

Revision No.	Reason for Revision	Effective Date
0.0	First issue	03 Oct 2017
1.0	Changed into new template and sections 1,3,7 & 9 modified	03 Feb 2023

**Prepared By:**

Vinod Kumar B  
(11222)

**Reviewed By:**

Bipin Kumar. S  
(6186)

**END OF SAFETY DATA SHEET**

----- This is an electronically generated SDS, and hence need not be signed -----