Safety Data Sheet



Section 1: Identification

Product identifier

Product Name · NIFEdipine extended-release tablets (Nifediac CC)

Product Code • NDC 68682-105-10; NDC 68682-105-30; NDC 68682-106-10; NDC 68682-106-30; NDC

68682-107-10

Relevant identified uses of the substance or mixture and uses advised against

Recommended use• Nifedipine extended release tablets are indicated for treatment of hypertension.

Restrictions on use • Refer to the product insert and/or prescribing information for restrictions on use and

contraindications.

Details of the supplier of the safety data sheet

• Valeant Pharmaceuticals International, Inc.

100 LifeSciences Parkway

Steinbach R5G 1Z7

Canada valeant.com

Supplier • Oceanside Pharmaceuticals, a division of Valeant Pharmaceuticals N. America, LLC

400 Somerset Corporate Blvd.

Bridgewater, NJ 08807

United States valeant.com

Telephone (General) • 1-800-321-4576

Emergency telephone number

• 1-800-535-5053 - US - Infotrac

Supplier • +1 352-323-3500 - International - Infotrac

This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant to consumer use of the product.

Section 2: Hazard Identification

UN GHS Revision 3

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Third Revised Edition

Classification of the substance or mixture

UN GHS • Acute Toxicity Oral 4

Reproductive Toxicity 2

Specific Target Organ Toxicity Single Exposure 1

Skin Irritation 2 Eve Irritation 2A

Effects on or via Lactation

Label elements

UN GHS

DANGER





Hazard statements · Harmful if swallowed

Causes skin irritation

Causes serious eve irritation

Suspected of damaging fertility or the unborn child.

Causes damage to organs.

May cause harm to breast-fed children

Precautionary statements

Prevention • Do not handle until all safety precautions have been read and understood.

Do not breathe dust, fume, gas, mist, vapours and/or spray.

Wash thoroughly after handling.

Use personal protective equipment as required.

Response • IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses.

if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Storage/Disposal • Dispose of content and/or container in accordance with local, regional, national, and/or

international regulations.

Other hazards

UN GHS No data available

Section 3 - Composition/Information on Ingredients

Substances

 Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Mixtures

Composition						
Chemical Name	Identifiers	Classifications According to Regulation/Directive				
Nifedipine	CAS:21829-25-4 EINECS:244-598- 3	9% TO 30%	UN GHS Revision 3: NDA			
Microcrystallne cellulose	CAS :9004-34-6 EINECS :232-674-9	N/A	UN GHS Revision 3: Skin Irrit. 2; Eye Irrit. 2A			
Ethylcellulose	CAS:9004-57-3	N/A	UN GHS Revision 3: NDA			
Amino methacrylate copolymer	CAS:25086-15-1	N/A	UN GHS Revision 3: NDA			
Hydroxypropyl methylcellulose	CAS:9004-65-3	N/A	UN GHS Revision 3: NDA			
Hydroxyethyl cellulose	CAS:9004-62-0	N/A	UN GHS Revision 3: Skin Irrit. 2; Eye Irrit. 2A			
Titanium dioxide*	CAS:13463-67-7 EINECS:236-675- 5	N/A	UN GHS Revision 3: STOT RE 2; Carc. 2			

Colloidal silicon dioxide	CAS: 112945-52-5	N/A	UN GHS Revision 3: Acute Tox. Oral 5
Talc*	CAS :14807-96-6 EINECS :238-877-9	N/A	UN GHS Revision 3: Skin Irrit. 3; STOT RE 1
Sodium lauryl sulfate	CAS:151-21-3 EINECS:205-788- 1	N/A	UN GHS Revision 3: Skin Irrit. 2; Eye Irrit. 2; Acute Tox. Oral 4; Aquatic Acute 2
Polyethylene glycol #600 *	CAS:25322-68-3	N/A	UN GHS Revision 3: NDA
Lactose	CAS:63-42-3 EINECS:200-559- 2	N/A	UN GHS Revision 3: Skin Irrit. 2; Skin Irrit. 3; Eye Irrit. 2A; Eye Irrit. 2B
Magnesium stearate	CAS:557-04-0 EINECS:209-150-	N/A	UN GHS Revision 3: NDA
Iron oxide Yellow	CAS:51274-00-1 EINECS:257-098- 5	N/A	UN GHS Revision 3: NDA

^{*} Note - The 90 mg tablet does not contain these ingredients.

N/A - Designates that the chemical percentage of composition is not available as it is considered a trade secret.

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

• Normal use of this product does not pose an inhalation hazard. However, during bulk handling should respiratory tract irritation develop, discontinue use and remove to fresh air. Get medical attention if irritation or other symptoms develop or persist.

Skin

• IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye

• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately if symptoms occur.

Ingestion

• If swallowed, seek medical advice immediately and show this container or label.

Most important symptoms and effects, both acute and delayed

 Events observed following overdose included hypotension, heart rhythm disturbances, loss of consciousness, and cardiac failure.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

 Treat according to accepted protocols. For additional guidance, refer to the current prescribing information.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • Water spray, carbon dioxide, dry chemical powder or appropriate foam for surrounding fire

Unsuitable Extinguishing Media

No data available

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

· No data available

Hazardous Combustion

No data available.

Products

Advice for firefighters

 As in any fire, wear self-contained breathing apparatus and full protective gear to prevent contact with skin and eyes.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

No special controls or personal protection required under conditions of intended use.
 In the event of bulk spills, wear suitable protective eyewear, clothing, protective boots and protective gloves. Evacuate immediate area. Ensure adequate ventilation. Refer to Section 8.

Emergency Procedures

 Keep unauthorized personnel away. Clean up spilled tablets and place in sealed container. Avoid breaking tablets or creating dust during clean up.

Environmental precautions

• No data available on the environmental impact of this product.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

• LARGE SPILLS: Use HEPA vacuum to clean up spill. If HEPA vacuum is not available, dampen spilled tablets with water prior to cleaning up to prevent dust cloud.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

 Minimize dust generation and accumulation. Use good safety and industrial hygiene practices. Avoid breaking capsules.

Conditions for safe storage, including any incompatibilities

Storage

 Keep tightly closed. Store at controlled room temperature 25°C/77°F (excursions permitted to 15-30°C/59-86°F), to maintain product integrity. Use before date marked on carton and/or container. Protect from light.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines

 Refer to the occupational exposure limits / guidelines for the individual product components.

Exposure Limits/Guidelines							
	Result	ACGIH	Canada Quebec	NIOSH	OSHA	Other Agency Information	
Polyethylene glycol #600 * (25322-68-3)	TWAs	Not established	Not established	Not established	Not established	10 mg/m3 TWA (MW>200, aerosol)	
Talc* (14807-96-6)	TWAs	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	3 mg/m3 TWAEV (respirable dust)	2 mg/m3 TWA (containing no Asbestos and <1% Quartz, respirable dust)	Not established	Not established	
Titanium dioxide* (13463-67-7)	TWAs	10 mg/m3 TWA	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total	Not established	15 mg/m3 TWA (total dust)	Not established	

			dust)		
Microcrystallne cellulose (9004-34-6)	TWAs	10 mg/m3 TWA	I, -	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	Not established

Exposure Control Notations

ACGIH

- •Titanium dioxide* (13463-67-7): Carcinogens: (A4 Not Classifiable as a Human Carcinogen)
- •Talc* (14807-96-6): Carcinogens: (A4 Not Classifiable as a Human Carcinogen (containing no asbestos fibers))

Exposure Limits Supplemental

OSHA

•Talc* (14807-96-6): Mineral Dusts: (20 mppcf TWA (if 1% Quartz or more, use Quartz limit))

ACGIH

- •Microcrystallne cellulose (9004-34-6): TLV Basis Critical Effects: (upper respiratory tract irritation)
- •Titanium dioxide* (13463-67-7): TLV Basis Critical Effects: (lower respiratory tract irritation)
- •Talc* (14807-96-6): TLV Basis Critical Effects: (pulmonary fibrosis (containing no asbestos fibers); pulmonary function (containing no asbestos fibers))

Exposure controls

Engineering Measures/Controls NO SPECIAL CONTROLS ARE REQUIRED UNDER CONDITIONS OF INTENDED USE. Local exhaust ventilation should be provided when handling bulk product.

Personal Protective Equipment

Respiratory

 For bulk handling, the personal breathing protection should be determined based upon a risk assessment and in accordance with local regulations. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

 Wear protective eyewear (goggles, face shield, or safety glasses) when handling bulk product before closed in final packaging.

Hands

Wear protective gloves when handling bulk product before closed in final packaging.

Skin/Body

Avoid contact with skin.

General Industrial Hygiene Considerations

 Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling.

Environmental Exposure Controls

No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description						
Physical Form	Solid	Appearance/Description	Not relevant			
Color	Yellow	Odor	Not relevant			
General Properties						
Boiling Point	No data available	Melting Point/Freezing Point	172 to 174 °C(341.6 to 345.2 °F)			
Decomposition Temperature	No data available	рН	Not relevant			
Specific Gravity/Relative Density	Not relevant	Water Solubility	Insoluble			
Viscosity	Not relevant					
Volatility						
Vapor Pressure	Not relevant	Vapor Density	Not relevant			
Evaporation Rate	Not relevant					

Flammability							
Flash Point	Not relevant	UEL	Not relevant				
LEL	Not relevant	Autoignition	Not relevant				
Flammability (solid, gas)	Not relevant						
Environmental							
Octanol/Water Partition coefficien	t No data available						

Section 10: Stability and Reactivity

Reactivity

· Stable under normal temperatures and pressures.

Chemical stability

· Hazardous polymerization will not occur.

Possibility of hazardous reactions

· No data available

Conditions to avoid

· Light, heat and humidity.

Incompatible materials

• Strong oxidizing agents.

Hazardous decomposition products

· Nitric oxides and carbon monoxides.

Section 11 - Toxicological Information

Information on toxicological effects

	Components					
Nifedipine (9% TO 30%)	21829- 25-4	Acute Toxicity: Ingestion/Oral-Rat LD50 • 1022 mg/kg; Behavioral:Changes in motor activity (specific assay); Lungs, Thorax, or Respiration:Dyspnea; Lungs, Thorax, or Respiration:Respiratory stimulation; Reproductive: Ingestion/Oral-Rat TDLo • 10 mg/kg (21D preg); Reproductive Effects:Specific Developmental Abnormalities:Cardiovascular (circulatory) system; Ingestion/Oral-Rat TDLo • 40 mg/kg (14D preg); Reproductive Effects:Specific Developmental Abnormalities:Musculoskeletal system				

GHS Properties	Classification
Acute toxicity	UN GHS 3 • Acute Toxicity - Oral 4
Skin corrosion/Irritation	UN GHS 3 • Skin Irritation 2
Serious eye damage/Irritation	UN GHS 3 • Eye Irritation 2A
Skin sensitization	UN GHS 3 • Classification criteria not met
Respiratory sensitization	UN GHS 3 • Classification criteria not met
Aspiration Hazard	UN GHS 3 • Classification criteria not met
Carcinogenicity	UN GHS 3 • Classification criteria not met
Germ Cell Mutagenicity	UN GHS 3 • Classification criteria not met
Toxicity for Reproduction	UN GHS 3 • Additional category for effects on or via lactation; Toxic to Reproduction 2
STOT-SE	UN GHS 3 • Specific Target Organ Toxicity Single Exposure 1

STOT-RE	UN GHS 3 • Classification criteria not met

Potential Health Effects Inhalation

Acute (Immediate)

• Under normal conditions of use, no health effects are expected. Exposure to dust from broken capsules may cause irritation.

Chronic (Delayed)

· Repeated and prolonged exposure may cause irritation.

Skin

Acute (Immediate)

· May cause skin irritation.

Chronic (Delayed)

· Repeated and prolonged exposure may cause sensitization.

Eye

Acute (Immediate)

• May cause mild eye irritation with direct contact to eye.

Chronic (Delayed)

Under normal conditions of use, no health effects are expected.

Ingestion

Acute (Immediate)

• Toxic if ingested in excess of prescription dose. May affect the heart and/or cardiovascular system. Symptoms may include hypotension, heart rhythm

disturbances and cardiac failure.

Chronic (Delayed)

No data available

Carcinogenic Effects					
CAS IARC NTP					
Talc*	14807-96-6	Group 3-Not Classifiable	Evidence of Carcinogenicity		
Titanium dioxide*	13463-67-7	Group 2B-Possible Carcinogen	Evidence of Carcinogenicity		
Colloidal silicon dioxide	112945-52-5	Group 3-Not Classifiable	Not Listed		

Reproductive Effects

 There are no adequate and well-controlled studies in humans. In rodents, rabbits, and monkeys, nifedipine has been shown to have a variety of embryotoxic, placentotoxic, and fetotoxic effects. Nifedipine is excreted in human milk.

Section 12 - Ecological Information

Toxicity

· This material has not been tested for environmental effects.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in Soil

No data available

Other adverse effects

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

 Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Packaging waste

 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	
TDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	

Special precautions for user • No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

· No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture SARA Hazard Classifications • No data available

	Inventory						
Component	CAS	Canada DSL	EU EINECS	TSCA			
Amino methacrylate copolymer	25086-15-1	Yes	No	Yes			
Nifedipine	21829-25-4	Yes	Yes	No			
Microcrystallne cellulose	9004-34-6	Yes	Yes	Yes			
Hydroxyethyl cellulose	9004-62-0	Yes	No	Yes			
Ethylcellulose	9004-57-3	Yes	No	Yes			
Hydroxypropyl methylcellulose	9004-65-3	Yes	No	Yes			
Iron oxide Yellow	51274-00-1	Yes	Yes	Yes			
Lactose	63-42-3	Yes	Yes	Yes			
Polyethylene glycol #600 *	25322-68-3	Yes	No	Yes			
Colloidal silicon dioxide	112945-52- 5	Yes	No	No			
Sodium lauryl sulfate	151-21-3	Yes	Yes	Yes			
Magnesium stearate	557-04-0	Yes	Yes	Yes			
Talc*	14807-96-6	Yes	Yes	Yes			
Titanium dioxide*	13463-67-7	Yes	Yes	Yes			

Canada

Canada - WHMIS - Classifications of Substances

Uncontrolled product

Hydroxypropyl methylcellulose	9004-65-3	according to WHMIS
Manuschus danste	557.04.0	classification criteria
Magnesium stearate	557-04-0	Not Listed
Ethylcellulose	9004-57-3	Uncontrolled product according to WHMIS
Litylociidiose	9004-37-3	classification criteria
		Uncontrolled product
		according to WHMIS
Microcrystallne cellulose	9004-34-6	classification criteria (including
		microcrystalline and paper
T-1-*	44007.00.0	fibers)
• Talc*	14807-96-6	D2A
		D2A (In certain cases, this classification does not apply.
		For more information, consult
Thereign distribut	40400.07.7	the section Substance Specific
Titanium dioxide*	13463-67-7	Issues - Titanium dioxide,
		mixture containing on Health
		Canada's WHMIS Division
Coding laund subfets	454.04.0	website.)
Sodium lauryl sulfate	151-21-3	D2B
Hydroxyethyl cellulose	9004-62-0	Uncontrolled product according to WHMIS
Trydroxyothyr odildiood	0001 02 0	classification criteria
Amino methacrylate copolymer	25086-15-1	Not Listed
		Uncontrolled product
• Lactose	63-42-3	according to WHMIS
		classification criteria
Colloidal silicon dioxide	112945-52-5	Not Listed
Nifedipine	21829-25-4	Not Listed
Polyethylene glycol #600 *	25322-68-3	Not Listed
	54074.00.4	Uncontrolled product
Iron oxide Yellow	51274-00-1	according to WHMIS classification criteria
		classification criteria
Canada - WHMIS - Ingredient Disclosure List		
Hydroxypropyl methylcellulose	9004-65-3	Not Listed
Magnesium stearate	557-04-0	Not Listed
Ethylcellulose	9004-57-3	Not Listed
Microcrystallne cellulose	9004-34-6	Not Listed
• Talc*	14807-96-6	Not Listed
Titanium dioxide*	13463-67-7	Not Listed
Sodium lauryl sulfate	151-21-3	1 %
Hydroxyethyl cellulose	9004-62-0	Not Listed
Amino methacrylate copolymer	25086-15-1	Not Listed
• Lactose	63-42-3	Not Listed
Colloidal silicon dioxide	112945-52-5	Not Listed
• Nifedipine	21829-25-4	Not Listed
Polyethylene glycol #600 *	25322-68-3	Not Listed
Iron oxide Yellow	51274-00-1	Not Listed

United States - California

Environment U.S California - Proposition 65 - Carcinogens List			
Hydroxypropyl methylcellulose	9004-65-3	Not Listed	
Magnesium stearate	557-04-0	Not Listed	

Ethylcellulose	9004-57-3	Not Listed
Microcrystallne cellulose	9004-34-6	Not Listed
• Talc*	14807-96-6	Not Listed
Titanium dioxide*	13463-67-7	carcinogen, 9/2/2011 (airborne, unbound particles of respirable size)
Sodium lauryl sulfate	151-21-3	Not Listed
Hydroxyethyl cellulose	9004-62-0	Not Listed
Amino methacrylate copolymer	25086-15-1	Not Listed
• Lactose	63-42-3	Not Listed
Colloidal silicon dioxide	112945-52-5	Not Listed
Nifedipine	21829-25-4	Not Listed
Polyethylene glycol #600 *	25322-68-3	Not Listed
Iron oxide Yellow	51274-00-1	Not Listed
II O California Brancaitica OF Branchamanatal Tanicita		
U.S California - Proposition 65 - Developmental Toxicity • Hydroxypropyl methylcellulose	9004-65-3	Not Listed
Magnesium stearate	557-04-0	Not Listed
• Ethylcellulose	9004-57-3	Not Listed
Microcrystallne cellulose	9004-34-6	Not Listed
• Talc*	14807-96-6	Not Listed
Titanium dioxide*	13463-67-7	Not Listed
Sodium lauryl sulfate	151-21-3	Not Listed
Hydroxyethyl cellulose	9004-62-0	Not Listed
Amino methacrylate copolymer	25086-15-1	Not Listed
Lactose	63-42-3	Not Listed
Colloidal silicon dioxide	112945-52-5	Not Listed
Nifedipine	21829-25-4	developmental toxicity, 1/29/1999
Polyethylene glycol #600 *	25322-68-3	Not Listed
• Iron oxide Yellow	51274-00-1	Not Listed
II C. Colifornia Drangaition CE. Danvaduativa Tovicity. Formula		
U.S California - Proposition 65 - Reproductive Toxicity - Female • Hydroxypropyl methylcellulose	9004-65-3	Not Listed
Magnesium stearate	557-04-0	Not Listed
• Ethylcellulose	9004-57-3	Not Listed
Microcrystallne cellulose	9004-34-6	Not Listed
• Talc*	14807-96-6	Not Listed
Titanium dioxide*	13463-67-7	Not Listed
Sodium lauryl sulfate	151-21-3	Not Listed
Hydroxyethyl cellulose	9004-62-0	Not Listed
Amino methacrylate copolymer	25086-15-1	Not Listed
Lactose	63-42-3	Not Listed
Colloidal silicon dioxide	112945-52-5	Not Listed
Nifedipine	21829-25-4	female reproductive toxicity 1/29/99
Polyethylene glycol #600 *	25322-68-3	Not Listed
Iron oxide Yellow	51274-00-1	Not Listed
II S. Colifornia Droposition CS. Dopreductive Toyleity. Male		
U.S California - Proposition 65 - Reproductive Toxicity - Male • Hydroxypropyl methylcellulose	9004-65-3	Not Listed
Magnesium stearate	557-04-0	Not Listed
Ethylcellulose	9004-57-3	Not Listed
Microcrystallne cellulose	9004-37-3	Not Listed
• Talc*	14807-96-6	Not Listed
- Tail	14007-30-0	INUL LISIEU

Titanium dioxide*	13463-67-7	Not Listed
Sodium lauryl sulfate	151-21-3	Not Listed
Hydroxyethyl cellulose	9004-62-0	Not Listed
Amino methacrylate copolymer	25086-15-1	Not Listed
Lactose	63-42-3	Not Listed
Colloidal silicon dioxide	112945-52-5	Not Listed
Nifedipine	21829-25-4	male reproductive toxicity, 1/29/99
Polyethylene glycol #600 *	25322-68-3	Not Listed
Iron oxide Yellow	51274-00-1	Not Listed

Section 16 - Other Information

Revision Date Last Revision Date Preparation Date

Disclaimer/Statement of Liability

- 07/October/2016
- 08/March/2016
- 08/March/2016
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